

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|---|---|------------------|---------|------------------|
| L1 | 15103 | (IP or (intellectual adj property) or patent) same ((drawings! or description) and (diagram\$7 or chart or hierarch\$6 or tree)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/07 07:12 |
| L2 | 1725 | 1 and ("707"/\$.ccls. or "715"/\$.ccls. or "705"/\$.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/07 07:13 |
| L3 | 5186 | (IP or (intellectual adj property) or patent) with ((drawings! or description or specification) and (diagram\$7 or chart or hierarch\$6 or tree)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/07 07:12 |
| L4 | 507 | 3 and ("707"/\$.ccls. or "715"/\$.ccls. or "705"/\$.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/07 07:13 |
| L5 | 6 | 4 and diagnostic with (drawings! or description or patent or IP or intellectual or diagram\$7 or chart or hierarch\$6) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/07 07:16 |
| L6 | 3 | 5 and draft\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/07 07:21 |
| L7 | 136 | 4 and technical and filing | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/07 07:22 |
| L8 | 84 | 7 and (links! or hyperlink) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/07 07:37 |
| L9 | 5 | 7 and (links! with hyperlink) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/07 07:41 |

EAST Search History

| | | | | | | |
|-----|----|-----------------------------------|---|----|----|------------------|
| L10 | 3 | 9 and (html or markup or mark-up) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/07 07:39 |
| L11 | 1 | 9 and html and XML | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/07 07:40 |
| L12 | 16 | 8 and html and XML | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/07 07:40 |
| L13 | 1 | 12 and (link with hyperlink) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/07 07:41 |
| L14 | 4 | 12 and (link same hyperlink) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/07 07:41 |

STIC Search Results Feedback Form

EIC 2100

Questions about the scope or the results of the search? Contact *the EIC searcher or contact:*

Alyson Dill, EIC 2100 Team Leader
272-3527, RND 4B28

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 2133

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(Journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/EIC2100 RND, 4B28

File 347:JAPIO Dec 1976-2006/Nov(Updated 070228)

(c) 2007 JPO & JAPIO

File 350:Derwent WPIX 1963-2006/UD=200715

(c) 2007 The Thomson Corporation

Set Items Description

S1 5126142 DRAFT??? OR DRAW??? OR DIAGRAM??? OR PICTURE? OR GRAPHIC???
OR MAP? ? OR REPRESENTATION? OR SCHEMA? ? OR SKETCH? OR DELI-
NEATION? OR FIGURE? OR OUTLINE? OR FIGURE? ?

S2 39448 HIERARCH???? OR MULTILEVEL? OR MULTITIER? OR (MULTI OR MUL-
TIPLE) () (LEVEL? ? OR TIER? ?) (3N) (STRUCTURE? ? OR ARCHITECTUR-
E? ? OR DATA OR INFORMATION OR REPRESENTATION? ?)

S3 5558251 CATEGORY OR CATEGORIES OR CLASS?? OR SET OR SETS OR REQUIR-
EMENT? OR TYPES OR SORTS OR CLASSIFICATION? ? OR GROUPS

S4 51349 S1(3N) (EDIT??? OR CHANG??? OR TRANSFORM??? OR REPLACE? OR -
REPLACING OR REVIS??? OR MAK??? OR MODIFICATION? ? OR MODIFY?-
?? OR MODIFIE? ? OR UPDAT??? OR UP()DAT???)

S5 55298 S1(3N) (CORRECT??? OR DUPLICAT??? OR REPRODUC??? OR WRIT???
OR REVAMP??? OR REWRITE??? OR AMEND? OR EMEND? OR RE() (VAMP???
OR WORK??? OR WRIT???) OR REWORK??? OR ALTER?)

S6 7386417 DISPLAY??? OR SHOW??? OR WINDOW? ? OR SCREEN? ? OR PAGE? ?
OR VIEW? ? OR GRAPH? ? OR IMAGE? ? OR TABLE? ? OR TABULAR OR -
FRONT()END? ? OR FRONTEND? ? OR GUI OR GRAPHIC??(2W)INTERFACE

S7 1824802 INVENTOR? ? OR INVENTION OR PATENT? ? OR INTELLECTUAL()PRO-
PERT?

S8 103507 S4 OR S5

S9 2763 S2(3N)S3

S10 55 S8 AND S9 AND S6

S11 11 S10 AND S7

S12 5 S11 NOT AY=2001:2007

S13 0 S8(5N)S9(5N)S6

S14 3 S8(15N)S9(15N)S6

S15 3 S14 NOT S12

S16 2 S15 NOT AY=2001:2007

S17 3 S8(5N)S9

S18 3 S17 NOT (S12 OR S16)

S19 2 S18 NOT AY=2001:2007

S20 5684 S2 AND S1 AND S6 AND S7

S21 519 S1 AND S9 AND S6 AND S7

S22 4227314 S1(5N)S6

S23 490 S22 AND S9 AND S7

S24 125 S23 NOT AY=2001:2007

S25 85 S22(5N)S9

S26 29 S25 AND S7

S27 8 S26 NOT AY=2001:2007

S28 8 S27 NOT (S19 OR S16 OR S16)

S29 44 AU=(GLASGOW, J? OR GLASGOW J?)

S30 10 S29 AND S7

STIC Search
09/19/93
1799

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12/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2007 The Thomson Corporation. All rts. reserv.

0014223295 - Drawing available
WPI ACC NO: 2004-409119/200438
XRPX Acc No: N2004-324756

Network message parsing system, has universal parsing procedure unit drives parser knowledge structure, and including receiving unit to receive portion of image , which is parsed from higher level message class

Patent Assignee: VERIZON LAB INC (VERI-N)

Inventor: JAKOBSON G; WEISSMAN M

Patent Family (1 patents, 1 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update |
|---------------|------|----------|--------------------|------|----------|----------|
| US 6732153 | B1 | 20040504 | US 2000576296 | A | 20000523 | 200438 B |

Priority Applications (no., kind, date): US 2000576296 A 20000523

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|------------|------|-----|----|-----|--------------|
| US 6732153 | B1 | EN | 17 | 8 | |

...parsing procedure unit drives parser knowledge structure, and including receiving unit to receive portion of image , which is parsed from higher level message class

Alerting Abstract ...The system (120) has a parser knowledge structure on a computer readable medium comprising a **hierarchical graph** of message **classes** , where each class parses a portion of the **image** . A universal parsing procedure unit drives the structure, and includes a receiving unit for receiving the remaining portion of the **image** , which is parsed from a higher level message class, if the class parsing the **image** portion is not a root node....DESCRIPTION OF DRAWINGS - The drawing **shows** a block diagram of a distributed network.event management system...

Title Terms.../Index Terms/Additional Words: **IMAGE** ;

Original Publication Data by Authority

Original Abstracts:

Systems and methods consistent with the present invention perform message parsing **in** a distributed component-based network management system using a parsing knowledge structure called a Message...

...a particular message. The MCG may be developed with a text editor or with a **graphical** user interface that **enables** a **non** -programmer to edit the parser structure.

Claims:

...a computer readable medium comprising a hierarchal graph of message classes, wherein each message class **parses** a portion of **the** message; anda universal parsing procedure means for driving the parser knowledge structure including means...

12/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0010760519 - Drawing available
WPI ACC NO: 2001-374144/200139
XRPX Acc No: N2001-273766

Parent parameter set editing method for graphic imaging system, involves displaying tabs and editing parameters from sub parameter set in response to toggled switch

Patent Assignee: AVID TECHNOLOGY INC (AVID-N)

Inventor: BOUCHARD J; DESBOIS D; MOREAU S; SHEASBY M C; STEVENS M P

Patent Family (2 patents, 21 countries)

| Patent | | | Application | | | Update | |
|---------------|------|----------|----------------|------|----------|--------|---|
| Number | Kind | Date | Number | Kind | Date | | |
| WO 2001011465 | A2 | 20010215 | WO 2000US21521 | A | 20000804 | 200139 | B |
| AU 200064011 | A | 20010305 | AU 200064011 | A | 20000804 | 200139 | E |

Priority Applications (no., kind, date): US 1999369516 A 19990806

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing | Notes |
|---|------|-----|----|-----|---------------------|---------------|
| WO 2001011465 | A2 | EN | 21 | 5 | | |
| National Designated States, Original: AU CA JP | | | | | | |
| Regional Designated States, Original: AT BE CH CY DE DK ES FI FR GB GR IE | | | | | | |
| IT LU MC NL PT SE | | | | | | |
| AU 200064011 | A | EN | | | Based on OPI patent | WO 2001011465 |

Parent parameter set editing method for graphic imaging system, involves displaying tabs and editing parameters from sub parameter set in response to toggled switch

Alerting Abstract ...editor (400). The hierarchical structure of parent parameter set is determined to identify sub-parameter **sets** of different **hierarchy** levels. The switch is toggled corresponding to the selected hierarchy level of sub-parameter set. The tabs and editing parameters are **displayed** from sub-parameter set in response to toggled switch....USE - For editing parent parameter set using property **editor** in **graphics** imaging system. For producing time based multimedia presentation...

...ADVANTAGE - Facilitates editing of multiple sub-parameter sets without navigation between editor and **view** of parameter sets. Facilitates toggling of **display** of tabs associated with sub-parameter sets...

...DESCRIPTION OF DRAWINGS - The figure **shows** the schematic **view** of property editor...

Title Terms.../Index Terms/Additional Words: **IMAGE** ; ...

... **DISPLAY** ;

Original Publication Data by Authority

Original Abstracts:

The present invention provides for a **method** for editing a hierarchical structure of PSets by a property editor executable on a computer...

...PSet, including children of children at different levels of the hierarchy; displaying tabs and editing **parameters** from said identified child PSets...

...L'invention concerne un procede d'edition d'une structure **hierarchique** d'ensembles de proprietes par un editeur de proprietes realisable sur un

systeme informatique. Dans...

12/3,K/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0007285698 - Drawing available

WPI ACC NO: 1995-345019/199545

XRPX Acc No: N1995-257914

Automatic CAD design re-sizing for e.g. art glass, jewel, beveled glass pane - enters design having primitive drawings with predetermined relationship with each other and reconfigures to different two-dimensional size based on set of hierarchical rules

Patent Assignee: ANDERSEN CORP (ANDR)

Inventor: BRIGHT J; SMITH R W; VARGHESE T

Patent Family (2 patents, 2 countries)

| Patent | | | Application | | | | |
|------------|------|----------|---------------|------|----------|--------|---|
| Number | Kind | Date | Number | Kind | Date | Update | |
| CA 2141898 | A | 19950815 | CA 2141898 | A | 19950206 | 199545 | B |
| US 5548698 | A | 19960820 | US 1994194922 | A | 19940214 | 199639 | E |

Priority Applications (no., kind, date): US 1994194922 A 19940214

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|------------|------|-----|----|-----|--------------|
| CA 2141898 | A | EN | 69 | 9 | |
| US 5548698 | A | EN | 31 | 9 | |

...with predetermined relationship with each other and reconfigures to different two-dimensional size based on set of hierarchical rules

Alerting Abstract ...program. This allows the parent design to be automatically adapted to differently shaped and sized **windows** and **window groupings**. The rules are formed as a hierarchical structure, so the placement of certain draw...

...A microprocessor and its associated memory store various data **tables** and implements the algorithm and program constraints. The desired art glass is selected with frame...

Original Publication Data by Authority

Original Abstracts:

...the original, or "parent" design, to be automatically adapted to differently shaped and sized windows **and** window **groupings**, while the shapes of the grouping change as units are added to the overall design...

...art work is maintained. A computer, with associated memory to store the various data tables, **implements** the algorithms and program constraints associated with the present invention.

Claims:

...points on different draw primitives are collectively updated.

12/3,K/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0007168613 - Drawing available

WPI ACC NO: 1995-208681/199528

XRPX Acc No: N1995-163505

Data management appts in hierarchical database reporting and updating system - uses bit vectors to represent relationships between various data items and prorate changes across all lower data levels making up intermediate or grand summary levels

Patent Assignee: AMERICAN TELEPHONE & TELEGRAPH CO (AMTT); AT & T CORP (AMTT); LUCENT TECHNOLOGIES INC (LUCE)

Inventor: BISHOP D C; ROBINSON B; ROBINSON B W

Patent Family (6 patents, 4 countries)

| Patent | | | Application | | | |
|-------------|------|----------|---------------|------|----------|----------|
| Number | Kind | Date | Number | Kind | Date | Update |
| EP 657830 | A1 | 19950614 | EP 1994308831 | A | 19941130 | 199528 B |
| CA 2118439 | A | 19950611 | CA 2118439 | A | 19941019 | 199537 E |
| US 5657437 | A | 19970812 | US 1993165276 | A | 19931210 | 199738 E |
| CA 2118439 | C | 19990518 | CA 2118439 | A | 19941019 | 199938 E |
| EP 657830 | B1 | 20020220 | EP 1994308831 | A | 19941130 | 200214 E |
| DE 69429902 | E | 20020328 | DE 69429902 | A | 19941130 | 200229 E |
| | | | EP 1994308831 | A | 19941130 | |

Priority Applications (no., kind, date): EP 1994308831 A 19941130; US 1993165276 A 19931210

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|---|------|-----|----|-----|-------------------------------|
| EP 657830 | A1 | EN | 38 | 28 | |
| Regional Designated States,Original: DE FR GB | | | | | |
| CA 2118439 | A | EN | | | |
| US 5657437 | A | EN | 40 | 28 | |
| CA 2118439 | C | EN | | | |
| EP 657830 | B1 | EN | | | |
| Regional Designated States,Original: DE FR GB | | | | | |
| DE 69429902 | E | DE | | | Application EP 1994308831 |
| | | | | | Based on OPI patent EP 657830 |

Alerting Abstract ...to provide data analysis functions. The data is at intermediate or grand summary levels. A **display** monitor is connected to the computer processor for **displaying** graphical and textual information, and text and graphical data inputs are connected to the processor...

...The two hierarchical relationships are represented as different dimensions on the **display screen** such that the intersection between the two dimensions defines a cell. A value is **displayed** in the cell which represents the contents of the quantity fields of the data records...

...updating. Allows user to change values representing intermediate or grand summary levels. Allows user to **make change** to **graphical display** and **change** underlying data represented by graphical **display**.

Original Publication Data by Authority

Original Abstracts:

A hierarchical **database** reporting and **updating** system is disclosed. The invention makes unique use of bit vectors to represent the relationship between various data items to enable the system to...

...items which make up the intermediate or grand summary level. The invention also allows for **the** graphical representation of data. Users may modify these graphical representations and the **system** will update the underlying data...

...A hierarchical database reporting and updating system **is** disclosed. The **invention** makes unique use of bit vectors to represent **the** relationship between various data items to enable the system to provide powerful data analysis functions...

...intermediate or grand summary level. The invention also allows for the graphical representation of data. **Users** may modify these graphical representations and the system will update **the** underlying **data**. >

Claims:

...system for managing data comprising:</br> a computer processor;</br> a display monitor connected to the computer **processor** for the display of graphical and textual information;</br> **textual** data entry means connected to the computer processor;</br> graphical data entry means connected to the...

...said display screen and said second hierarchical relationship on a second dimension on said display **screen**, **wherein** an intersection of said first dimension and said second dimension on **said display** screen defines a cell;</br> means for displaying a value in said cell, wherein **said value** represents the contents of the quantity fields **of** the data records which are represented by said cell; and</br> means for changing the value...

...cell and prorating said change among the quantity fields of all data records which are **represented** by said cell...

...computer processor (110); and a memory unit (112) connected to the computer processor (110) for **the** storage of a plurality of data records (518), **CHARACTERISED IN THAT** each of said data records comprising at least two key fields (502, 504, 506, 508...

...the quantity fields (516) of the data records (518) which are represented by said cell.

Systeme (100) de gestion de donnees, comprenant:un

12/3,K/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0006609202 - Drawing available

WPI ACC NO: 1993-152776/199318

XRPX Acc No: N1993-116915

Non-hierarchical routing of traffic in communications net - modifying number of alternative routes available for overflow traffic in near real time as function of load conditions

Patent Assignee: SIEMENS AG (SIEI)

Inventor: HARTMANN H; HARTMANN H L

Patent Family (8 patents, 18 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update |
|---------------|------|----------|--------------------|------|----------|----------|
| WO 1993008666 | A1 | 19930429 | WO 1992EP2302 | A | 19921006 | 199318 B |
| EP 608279 | A1 | 19940803 | EP 1992920728 | A | 19921006 | 199430 E |
| | | | WO 1992EP2302 | A | 19921006 | |
| JP 6510645 | W | 19941124 | WO 1992EP2302 | A | 19921006 | 199506 E |
| | | | JP 1993507392 | A | 19921006 | |
| US 5537468 | A | 19960716 | WO 1992EP2302 | A | 19921006 | 199634 E |
| | | | US 1994211672 | A | 19940412 | |

| | | | | | | | |
|-------------|----|----------|---------------|---|----------|--------|---|
| EP 608279 | B1 | 19970122 | EP 1992920728 | A | 19921006 | 199709 | E |
| | | | WO 1992EP2302 | A | 19921006 | | |
| DE 59207963 | G | 19970306 | DE 59207963 | A | 19921006 | 199715 | E |
| | | | EP 1992920728 | A | 19921006 | | |
| | | | WO 1992EP2302 | A | 19921006 | | |
| ES 2098544 | T3 | 19970501 | EP 1992920728 | A | 19921006 | 199724 | E |
| CA 2121240 | C | 20000926 | CA 2121240 | A | 19921006 | 200055 | E |
| | | | WO 1992EP2302 | A | 19921006 | | |

Priority Applications (no., kind, date): EP 1991117567 A 19911015

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|---|------|-----|----|-----|--|
| WO 1993008666 | A1 | DE | 24 | 4 | |
| National Designated States,Original: CA JP US | | | | | |
| Regional Designated States,Original: AT BE CH DE DK ES FR GB GR IE IT LU MC NL SE | | | | | |
| EP 608279 | A1 | DE | 2 | 1 | PCT Application WO 1992EP2302 Based on OPI patent WO 1993008666 |
| Regional Designated States,Original: AT BE CH DE ES FR GB IT LI NL SE | | | | | |
| JP 6510645 | W | JA | 1 | 1 | PCT Application WO 1992EP2302 Based on OPI patent WO 1993008666 |
| US 5537468 | A | EN | 9 | 4 | PCT Application WO 1992EP2302 Based on OPI patent WO 1993008666 |
| EP 608279 | B1 | DE | 11 | 4 | PCT Application WO 1992EP2302 Based on OPI patent WO 1993008666 |
| Regional Designated States,Original: AT BE CH DE ES FR GB IT LI NL SE | | | | | |
| DE 59207963 | G | DE | | | Application EP 1992920728 PCT Application WO 1992EP2302 Based on OPI patent EP 608279 Based on OPI patent WO 1993008666 |
| ES 2098544 | T3 | ES | | | Application EP 1992920728 Based on OPI patent EP 608279 |
| CA 2121240 | C | EN | | | PCT Application WO 1992EP2302 Based on OPI patent WO 1993008666 |

Original Publication Data by Authority

Original Abstracts:

...In order to ensure optimum throughputs under all load conditions, the invention proposes that the **number** of alternative routes available for overflow traffic be modified in near real time as a...

...A non-hierarchical method for routing traffic **to** achieve optimum throughput **values** under all traffic load states by modifying the number of alternate routes available for overflow...

...a routing process (RP), a routing table (RT) and a local trunk status map (LTSM) **for** determining an alternate route sequence (AWS)...

...number of alternative routes available for overflow traffic be modified in near real time as **a** function of the traffic load conditions on the alternative routes.

Claims:

...switching node via at least one planned route, </br>directing said traffic only via real time **alternate** routes between said originating switching **node** and said destination **switching** node in accordance with a real time alternate route sequence when a connection via said...

16/3,K/1 (Item 1 from file: 347)

DIALOG(R)File 347:JAPIO

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03947042 **Image available**

OBJECT INFORMATION CONTROL SYSTEM

PUB. NO.: 04-312142 [JP 4312142 A]

PUBLISHED: November 04, 1992 (19921104)

INVENTOR(s): OKAMOTO MOTOYOSHI

UDAGAWA YOSHIHISA

APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 03-078906 [JP 9178906]

FILED: April 11, 1991 (19910411)

JOURNAL: Section: P, Section No. 1505, Vol. 17, No. 138, Pg. 60, March 22, 1993 (19930322)

ABSTRACT

PURPOSE: To attain the insertion and the **change** of the intermediate **graphic** information of a tree structure **showing** a hierarchical structure of the more-less significant relation without reconstructing the whole hierrarchical structure by providing a structural hierarchy control part in addition to a **class hierarchy** control part...

16/3,K/2 (Item 2 from file: 347)

DIALOG(R)File 347:JAPIO

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03655072 **Image available**

PICTURE FORMING DEVICE

PUB. NO.: 04-020172 [JP 4020172 A]

PUBLISHED: January 23, 1992 (19920123)

INVENTOR(s): YAMADA TAKANOBU

FUKUI KAZUYUKI

APPLICANT(s): MINOLTA CAMERA CO LTD [000607] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 02-125823 [JP 90125823]

FILED: May 15, 1990 (19900515)

JOURNAL: Section: E, Section No. 1196, Vol. 16, No. 178, Pg. 63, April 28, 1992 (19920428)

ABSTRACT

PURPOSE: To stably form a **picture** multilevel- **corrected** properly by providing a means to detect a toner mixing ratio and a means to **set** a **multilevel** correcting **table** **set** respectively corresponding to the respective mixing ratios and a multilevel correcting **table** corresponding to the detected toner mixing ratio...

19/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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08255440 **Image available**
MAP UPDATING SYSTEM

PUB. NO.: 2005-003700 [JP 2005003700 A]
PUBLISHED: January 06, 2005 (20050106)
INVENTOR(s): HORIGAMI SHUGO
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD
APPL. NO.: 2003-163509 [JP 2003163509]
FILED: June 09, 2003 (20030609)

ABSTRACT

... a lower hierarchy necessary for a navigation device 10 is updated. The navigation device 10 **hierarchizes** and **sets** the **update** area of the **map** information and stores the map information for distribution by each hierarchy.

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19/3,K/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2007 JPO & JAPIO. All rts. reserv.

08079867 **Image available**
COMPUTER SYSTEM INCLUDING INK SCHEMA

PUB. NO.: 2004-192626 [JP 2004192626 A]
PUBLISHED: July 08, 2004 (20040708)
INVENTOR(s): SZILAGYI ZOLTAN C
JARRETT ROBERT
QUINTON MARY MICHELLE
APPLICANT(s): MICROSOFT CORP
APPL. NO.: 2003-393156 [JP 2003393156]
FILED: November 21, 2003 (20031121)
PRIORITY: 02 308158 [US 2002308158], US (United States of America),
December 03, 2002 (20021203)

ABSTRACT

... and a data structure permit schemas to be written for ink. In a first example, **schema** may be **written** for addressing various node **types** in a **hierarchical** structure of ink. In another example, schema may be written as defining user interactions. Finally...
?

28/3,K/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0014153559 - Drawing available

WPI ACC NO: 2004-338462/200431

Related WPI Acc No: 2002-225363

XRPX Acc No: N2004-270469

Client and operating system communicating method for set-top terminal, involves providing two abstraction layers, one receiving system independent kernel request and other translating kernel request to new request

Patent Assignee: GEN INSTR CORP (GENN)

Inventor: BIRNBAUM J M; DAVIS J T; DEL SORDO C; TAVOLETTI D

Patent Family (1 patents, 1 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update |
|---------------|------|----------|--------------------|------|----------|----------|
| US 6721949 | B1 | 20040413 | US 2000535899 | A | 20000327 | 200431 B |

Priority Applications (no., kind, date): US 2000535899 A 20000327

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|------------|------|-----|----|-----|--------------|
| US 6721949 | B1 | EN | 5 | 1 | |

Alerting Abstract ...DESCRIPTION OF DRAWINGS - The drawing shows a hierarchical structure for a set-top terminal...

Original Publication Data by Authority

Original Abstracts:

...the following kernel constructs: Timers, Threads, Memory, Synchronization and Messaging. The invention benefits terminal manufacturers and developers as well as network operators by allowing set-top firmware to run without modifications...

28/3,K/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2007 The Thomson Corporation. All rts. reserv.

0013266568 - Drawing available

WPI ACC NO: 2003-352353/200333

Related WPI Acc No: 2002-749353; 2003-352174; 2003-554100

XRPX Acc No: N2003-281402

Random test data generation method for testing digital electronic circuit, involves limiting values assigned to random variables in each constraint expression within active constraint block

Patent Assignee: SYNOPSYS INC (SYNO-N)

Inventor: CHAPIRO D M; KIM W S; MEYER M L

Patent Family (1 patents, 1 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update |
|---------------|------|----------|--------------------|------|----------|----------|
| US 6513144 | B1 | 20030128 | US 1999298984 | A | 19990422 | 200333 B |

Priority Applications (no., kind, date): US 1999298984 A 19990422

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|------------|------|-----|----|-----|--------------|
| US 6513144 | B1 | EN | 23 | 16 | |

Alerting Abstract ...DESCRIPTION OF DRAWINGS - The figure shows the hierarchical structure of class instance of object oriented program .

Original Publication Data by Authority

Original Abstracts:

The present invention adds capabilities to a Hardware Verification Language (HVL) which facilitate the generation of random test data. Sources of random...

28/3,K/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2007 The Thomson Corporation. All rts. reserv.

0012889911 - Drawing available

WPI ACC NO: 2002-749353/200281

Related WPI Acc No: 2003-352174; 2003-352353; 2003-554100

XRPX Acc No: N2002-590058

Random test data value generation method involves representing relation between two different value generator by graph and generating valid value data structure based on linear ordering generated from graph

Patent Assignee: SYNOPSYS INC (SYNO-N)

Inventor: CHAPIRO D M; KIM W S; MEYER M L

Patent Family (1 patents, 1 countries)

| Patent | | | Application | | | | | |
|------------|------|----------|---------------|------|----------|--------|---|--|
| Number | Kind | Date | Number | Kind | Date | Update | | |
| US 6449745 | B1 | 20020910 | US 1999298981 | A | 19990422 | 200281 | B | |

Priority Applications (no., kind, date): US 1999298981 A 19990422

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|------------|------|-----|----|-----|--------------|
| US 6449745 | B1 | EN | 36 | 16 | |

Alerting Abstract ...DESCRIPTION OF DRAWINGS - The figures show the schematic view of hierarchical class instance and block diagram of value data generation system.

Original Publication Data by Authority

Original Abstracts:

The present invention adds capabilities to a Hardware Verification Language (HVL) which facilitate the generation of random test...

28/3,K/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2007 The Thomson Corporation. All rts. reserv.

0010838367 - Drawing available

WPI ACC NO: 2001-456323/200149

XRPX Acc No: N2001-338115

Unused elements eliminating method for object-oriented programming system, involves omitting elements of specified objects from respective classes, based on usage of that element in execution of specified program

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: SWEENEY P F; TIP F

Patent Family (1 patents, 1 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update |
|---------------|------|----------|--------------------|------|----------|----------|
| US 6230314 | B1 | 20010508 | US 1997942520 | A | 19971002 | 200149 B |

Priority Applications (no., kind, date): US 1997942520 A 19971002

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|------------|------|-----|----|-----|--------------|
| US 6230314 | B1 | EN | 40 | 28 | |

Alerting Abstract ...DESCRIPTION OF DRAWINGS - The **figure** shows the high level over- **view** of the **class hierarchy** specialization method.

Original Publication Data by Authority

Original Abstracts:

...the program, and have the effect of "optimizing away" unneeded class members from objects. The **invention** is also capable of replacing class hierarchies that exhibit virtual inheritance with class hierarchies that...

28/3,K/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2007 The Thomson Corporation. All rts. reserv.

0010833748 - Drawing available

WPI ACC NO: 2001-451389/200148

Related WPI Acc No: 2001-374414; 2001-389730; 2001-441285; 2001-464875

XRPX Acc No: N2001-334236

Data processing method for object oriented systems, involves defining class that supports option data structure containing type description of option values, without pre allocating memory space for option values

Patent Assignee: CURL CORP (CURL-N)

Inventor: HALSTEAD R H; KRANZ D A; TERMAN C J; WARD S A

Patent Family (5 patents, 91 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update |
|---------------|------|----------|--------------------|------|----------|----------|
| WO 2001033346 | A2 | 20010510 | WO 2000US29853 | A | 20001031 | 200148 B |
| AU 200114437 | A | 20010514 | AU 200114437 | A | 20001031 | 200149 E |
| EP 1226496 | A2 | 20020731 | EP 2000976698 | A | 20001031 | 200257 E |
| | | | WO 2000US29853 | A | 20001031 | |
| EP 1226496 | B1 | 20040114 | EP 2000976698 | A | 20001031 | 200406 E |
| | | | WO 2000US29853 | A | 20001031 | |
| DE 60007771 | E | 20040219 | DE 60007771 | A | 20001031 | 200419 E |
| | | | EP 2000976698 | A | 20001031 | |
| | | | WO 2000US29853 | A | 20001031 | |

Priority Applications (no., kind, date): US 1999162825 P 19991101; US 2000672848 A 20000928

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|---------------|------|-----|----|-----|--------------|
| WO 2001033346 | A2 | EN | 69 | 21 | |

National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ

PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
Regional Designated States,Original: AT BE CH CY DE DK EA ES FI FR GB GH
GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW
AU 200114437 A EN Based on OPI patent WO 2001033346
EP 1226496 A2 EN PCT Application WO 2000US29853
Based on OPI patent WO 2001033346
Regional Designated States,Original: AL AT BE CH CY DE DK ES FI FR GB GR
IE IT LI LT LU LV MC MK NL PT RO SI
EP 1226496 B1 EN PCT Application WO 2000US29853
Based on OPI patent WO 2001033346
Regional Designated States,Original: AT BE CH CY DE DK ES FI FR GB GR IE
IT LI LU MC NL PT
DE 60007771 E DE Application EP 2000976698
PCT Application WO 2000US29853
Based on OPI patent EP 1226496
Based on OPI patent WO 2001033346

Alerting Abstract ...DESCRIPTION OF DRAWINGS - The figure shows the diagram of class hierarchy with option binding **lists** .

Original Publication Data by Authority

Original Abstracts:

...l'invention, pour accepter les valeurs de proprietes, une classe comprend des champs acceptant des **valeurs** dans un espace memoire preaffecte comportant une structure de donnees d'option qui accepte dans...

28/3,K/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2007 The Thomson Corporation. All rts. reserv.

0010812558 - Drawing available

WPI ACC NO: 2001-429316/200146

XRPX Acc No: N2001-318759

Patent document hierarchical classification search procedure involves searching titles for each document classification corresponding to particular input keyword, to produce higher and lower order classification codes

Patent Assignee: OKA A (OKAA-I)

Inventor: OKA A

Patent Family (1 patents, 1 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update |
|---------------|------|----------|--------------------|------|----------|----------|
| JP 2001147932 | A | 20010529 | JP 1999329806 | A | 19991119 | 200146 B |

Priority Applications (no., kind, date): JP 1999329806 A 19991119

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|---------------|------|-----|----|-----|--------------|
| JP 2001147932 | A | JA | 12 | 10 | |

Patent document hierarchical classification search procedure involves searching titles for each document classification corresponding to particular...

Alerting Abstract USE - For searching hierarchical classification of patent document...

...DESCRIPTION OF DRAWINGS - The **figure** shows the block **diagram** of patent document **hierarchical classification** searching apparatus. (Drawing includes non-English language text).

Title Terms/Index Terms/Additional Words: **PATENT** ;

28/3,K/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2007 The Thomson Corporation. All rts. reserv.

0010810351 - Drawing available

WPI ACC NO: 2001-426889/200146

XRPX Acc No: N2001-316718

Computer implemented method for performing method look-up to support transitive method override in presence of modularity constructs e.g. packages dynamic dispatch

Patent Assignee: SUN MICROSYSTEMS INC (SUNM)

Inventor: BRACHA G; BRACHAN G

Patent Family (3 patents, 27 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update |
|---------------|------|----------|--------------------|------|----------|----------|
| EP 1076285 | A2 | 20010214 | EP 2000306768 | A | 20000809 | 200146 B |
| JP 2001075807 | A | 20010323 | JP 2000243579 | A | 20000811 | 200146 E |
| US 6687759 | B1 | 20040203 | US 1999374463 | A | 19990813 | 200413 E |

Priority Applications (no., kind, date): US 1999374463 A 19990813

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|------------|------|-----|----|-----|--------------|
| EP 1076285 | A2 | EN | 18 | 6 | |

Regional Designated States, Original: AL AT BE CH CY DE DK ES FI FR GB GR
IE IT LI LT LU LV MC MK NL PT RO SE SI

| | | | |
|---------------|---|----|----|
| JP 2001075807 | A | JA | 15 |
|---------------|---|----|----|

Alerting Abstract ...DESCRIPTION OF DRAWINGS - The **drawing** shows a **diagram** of a sample **class hierarchy** for describing the embodiment of the **invention** .

28/3,K/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2007 The Thomson Corporation. All rts. reserv.

0010334096 - Drawing available

WPI ACC NO: 2000-649096/200063

XRPX Acc No: N2000-481252

User interface object for representing and manipulating set of hierarchical data associated with computer application, in which

Patent Assignee: INT BUSINESS MACHINES CORP. (IBMC)

Inventor: MALACINSKI A S; RAHN M D

Patent Family (2 patents, 2 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update |
|---------------|------|----------|--------------------|------|----------|----------|
| GB 2346717 | A | 20000816 | GB 199926358 | A | 19991109 | 200063 B |
| US 6348935 | B1 | 20020219 | US 1998200618 | A | 19981130 | 200221 E |

Priority Applications (no., kind, date): US 1998200618 A 19981130

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing | Notes |
|------------|------|-----|----|-----|--------|-------|
| GB 2346717 | A | EN | 32 | 8 | | |

Alerting Abstract ...The drawing shows a graphical user interface object according to a preferred embodiment of the **invention** as it might appear on a user's computer screen...

Original Publication Data by Authority

Original Abstracts:

...interfaces and associated methods and computer program products are provided for representing and manipulating a **set** of **hierarchical** data on a computer **display** device. These composite **graphical** user interfaces include a **display window** which is disposed on a computer display device, a tree view display which is disposed...

...an application developer or user to customize the control functions made available on the tree **view** control panel. In these composite **graphical** user interfaces, the tree **view display** depicts the **set** of **hierarchical** data in a tree representation having a root level and at least one lower level...

Claims:

A composite graphical user **interface** for **representing** and manipulating a set of **hierarchical** data on a computer display device, **the** composite graphical user **interface** comprising: a display window on the computer display device; a tree view display disposed within the display...

30/3,K/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2007 The Thomson Corporation. All rts. reserv.

0015267199 - Drawing available

WPI ACC NO: 2005-617298/200563

Related WPI Acc No: 2004-667305; 2005-457182

XRAM Acc No: C2005-185587

XRPX Acc No: N2005-506691

Query of database involves formulating database query run on grid computing network that searches for all components in first database field, and formulating database queries

Patent Assignee: BERETICH G R (BERE-I); GLASGOW J (GLAS-I)

Inventor: BERETICH G R; **GLASGOW J**

Patent Family (1 patents, 1 countries)

| Patent | | | Application | | | |
|----------------|------|----------|---------------|------|----------|----------|
| Number | Kind | Date | Number | Kind | Date | Update |
| US 20050192968 | A1 | 20050901 | US 2003527788 | P | 20031208 | 200563 B |
| | | | US 20046835 | A | 20041208 | |

Priority Applications (no., kind, date): US 2003527788 P 20031208; US 20046835 A 20041208

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|----------------|------|-----|----|-----|--------------------------------------|
| US 20050192968 | A1 | EN | 30 | 16 | Related to Provisional US 2003527788 |

...Inventor: **GLASGOW J**

Alerting Abstract ...and graphic user interface outputs viewable by respective users on corresponding displays, deconstructing invention(s) **into** its corresponding key components, formulating a first database query that searches for the key components...

...the user; analyzing technology trends comprising applying cladistic to patent data; system for analyzing content **comprising** the database(s) having technology information electronically stored on the database, and the computer(s)...

...for content, inventions, patents, patent-related information and/or documents than single computer.

Original Publication Data by Authority

Inventor name & address:

... Glasgow, JiNan

Original Abstracts:

...user on a grid computing network, in particular for technology and patent-related content stored **in** at least one database.

Claims:

...corresponding displays;b) deconstructing at least one invention into its corresponding key components;c) formulating **a** first database query that searches for at least one of the key components in a...

30/3,K/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0015107703 - Drawing available
WPI ACC NO: 2005-457182/200546
Related WPI Acc No: 2004-667305; 2005-617298
XRPX Acc No: N2005-371738

Cladistic invention analyzing method for searching content databases, involves formulating database query that searches for key components in database along with additional database query excluding certain components from database

Patent Assignee: BERETICH G R (BERE-I); GLASGOW J (GLAS-I)

Inventor: BERETICH G R; **GLASGOW J**

Patent Family (1 patents, 1 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update |
|----------------|------|----------|--------------------|------|----------|----------|
| US 20050131882 | A1 | 20050616 | US 2003510734 | P | 20031011 | 200546 B |
| | | | US 2003527788 | P | 20031208 | |
| | | | US 2004963131 | A | 20041012 | |

Priority Applications (no., kind, date): US 2003527788 P 20031208; US 2003510734 P 20031011; US 2004963131 A 20041012

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|----------------|------|-----|----|-----|--|
| US 20050131882 | A1 | EN | 16 | 4 | Related to Provisional US 2003510734 Related to Provisional US 2003527788 |

Cladistic invention analyzing method for searching content databases, involves formulating database query that searches for key components...

...Inventor: **GLASGOW J**

Alerting Abstract ...NOVELTY - The invention is reconstructed into corresponding by components, and a database query that searches for key components...

...For searching databases for contents from technology, invention, patent, patent-related information and documents for **analyzing evolutionary relationship** among fossil and living organisms such as starfish, jellyfish, human beings...

Title Terms/Index Terms/Additional Words: INVENTION ;

Original Publication Data by Authority

Inventor name & address:

... Glasgow, JiNan

Original Abstracts:

...a computer-type device or network, in particular for technology and patent-related content stored in at least one database.

Claims:

...comprising the steps of: a) deconstructing at least one invention into its corresponding key components; b) formulating a first database query that searches for at least one of the key components...

30/3,K/3 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2007 The Thomson Corporation. All rts. reserv.

0015046652 - Drawing available

WPI ACC NO: 2005-394670/200540

XRPX Acc No: N2005-319853

Patent **claims displaying system, has input device in communication with computer and output device, and software running on computer for automatically importing patent claims based upon user input information**

Patent Assignee: BERETICH G R (BERE-I); GLASGOW J (GLAS-I)

Inventor: BERETICH G R; **GLASGOW J**

Patent Family (2 patents, 106 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update |
|----------------|------|----------|--------------------|------|----------|----------|
| US 20050108652 | A1 | 20050519 | US 2003518119 | P | 20031107 | 200540 B |
| | | | US 2004983458 | A | 20041108 | |
| WO 2005048055 | A2 | 20050526 | WO 2004US37001 | A | 20041108 | 200540 E |

Priority Applications (no., kind, date): US 2003518119 P 20031107; US 2004983458 A 20041108

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|----------------|------|-----|----|-----|--------------------------------------|
| US 20050108652 | A1 | EN | 15 | 9 | Related to Provisional US 2003518119 |
| WO 2005048055 | A2 | EN | | | |

National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Regional Designated States, Original: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IS IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

Patent **claims displaying system, has input device in communication with computer and output device, and software running on computer for automatically importing patent claims based upon user input information**

Original Titles:

Patent claims analysis system and method...

... **PATENT CLAIMS ANALYSIS SYSTEM AND METHOD**

...Inventor: **GLASGOW J**

Alerting Abstract ...communication with the input and output devices. Software runs on the computer for automatically importing **patent** claims based upon the user input information....a method for displaying patent claims an interactive **graphic** user interface (GUI) for providing a diagram of patent claims.

...

...USE - Used for displaying patent claims.

...

...judgment relating to the claims of a patent or patent application.

Title Terms/Index Terms/Additional Words: PATENT ;

Original Publication Data by Authority

Inventor name & address:

... Glasgow, JiNan ...

... GLASGOW, JiNan

Original Abstracts:

A system and method for facilitating patent grant and patent **application** claims examination; **including** the functions of automated importing of patent claims, automated parsing **of** the claims into their hierarchy, and compression/expansion of the parsed claims to/from the...

...A system and method for facilitating patent grant and patent application claims examination; including the **functions** of automated **importing** of patent claims, automated parsing of the claims into their **hierarchy**, and compression/expansion of the parsed claims to/from the independent claim level...

Claims:

1. A system for displaying patent claims, the system **comprising** :at least one input device in communication with a computer and at least one output...

...at least one computer for automatically importing patent claims based upon the user inputted information, **parsing** the patent claims hierarchically, generating a hierarchical claims diagram, **and** outputting a viewable diagram of the parsed claims; wherein the claims diagram shows at least part of a patent claims series in an interactive format that permits expansion **and** compression of the at least part of a a patent claims series according to the hierarch of the at **least** part of a patent claims series.

30/3,K/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0014475678 - Drawing available

WPI ACC NO: 2004-667305/200465

Related WPI Acc No: 2005-457182; 2005-617298

XRPX Acc No: N2004-528510

Analyzing an invention comprises deconstructing the invention into its corresponding key components, formulating a database query, submitting queries to search a database, and retrieving results from the queries

Patent Assignee: BERETICH G R (BERE-I); GLASGOW J (GLAS-I); SPORE INC (SPOR-N)

Inventor: BERETICH G R; BERETICH J G R; **GLASGOW J**

Patent Family (3 patents, 107 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update |
|----------------|------|----------|--------------------|------|----------|----------|
| US 20040177068 | A1 | 20040909 | US 2003452029 | P | 20030305 | 200465 B |
| | | | US 2003510734 | P | 20031011 | |
| | | | US 2003527788 | P | 20031208 | |
| | | | US 2004793301 | A | 20040304 | |
| WO 2004079550 | A2 | 20040916 | WO 2004US6893 | A | 20040305 | 200465 E |
| EP 1604303 | A2 | 20051214 | EP 2004718077 | A | 20040305 | 200582 E |
| | | | WO 2004US6893 | A | 20040305 | |

Priority Applications (no., kind, date): US 2003527788 P 20031208; US 2003510734 P 20031011; US 2003452029 P 20030305; US 2004793301 A 20040304

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|----------------|------|-----|----|-----|--|
| US 20040177068 | A1 | EN | 26 | 14 | Related to Provisional US 2003452029 Related to Provisional US 2003510734 Related to Provisional US 2003527788 |

WO 2004079550 A2 EN

National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BW
BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR
HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW
MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR
TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Regional Designated States, Original: AT BE BG BW CH CY CZ DE DK EA EE ES
FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PL PT RO SD SE SI SK
SL SZ TR TZ UG ZM ZW

EP 1604303 A2 EN

PCT Application WO 2004US6893

Based on OPI patent WO 2004079550

Regional Designated States, Original: AL AT BE BG CH CY CZ DE DK EE ES FI
FR GB GR HU IE IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR

**Analyzing an invention comprises deconstructing the invention into its
corresponding key components, formulating a database query, submitting
queries to search a database...**

...Inventor: GLASGOW J

Alerting Abstract ...NOVELTY - Analyzing an invention by...

...deconstructing the invention into its corresponding **key** components;
formulating a database query that searches for key component(s) in a
database and...

...the groups in an unrooted tree; a method of querying a patent database
for prior **art** relating to an invention comprising deconstructing the
invention into key components, **formulating** database query, and
formulating database queries with serial ANDNOT exclusion of component(s)
from claims...

...method of analyzing technology trends comprising applying cladistics to
patent data; a system for analyzing **content** comprising database having
technology information electronically stored in it, computer running
software for querying the...

...analysis of an invention.

...

...ADVANTAGE - The invention is precise and thorough, easily evaluated and
supervised, and minimizes number **of** records that an examiner must review
to perform precise and thorough examination. It allows displaying

Title Terms/Index Terms/Additional Words: INVENTION ;

Original Publication Data by Authority

Inventor name & address:

... GLASGOW, JiNan ...

... Glasgow, JiNan ...

... GLASGOW, JiNan

Original Abstracts:

...a computer-type device or network, in particular for technology and
patent-related content stored **in** at least one database...

...network, in particular for technology and patent-related content stored
in at least one database.

...

...and patent-related content stored in at least one database.

...

...procedes et systemes de recherche, d'analyse et de representation sous forme graphique, a base **cladistique**, de resultats en format d'interface graphique, permettant a au moins un utilisateur de visualiser

Claims:

...deconstructing at least one invention into its corresponding key components;b) formulating a first database **query** that searches for at least one of the key components in a database and at...

30/3,K/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0013431197 - Drawing available

WPI ACC NO: 2003-522038/200349

XRPX Acc No: N2003-414138

Patent **application drafting and assessment system generates hierarchical component categorization including key-component and related sub-component based on user input information and detailed information**

Patent Assignee: GLASGOW J (GLAS-I); SPORE INC (SPOR-N)

Inventor: **GLASGOW J**

Patent Family (13 patents, 99 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update |
|----------------|------|----------|--------------------|------|----------|----------|
| US 20030065637 | A1 | 20030403 | US 2001943799 | A | 20010831 | 200349 B |
| WO 2003052623 | A1 | 20030626 | WO 2002US27899 | A | 20020830 | 200352 E |
| AU 2002364933 | A1 | 20030630 | AU 2002364933 | A | 20020830 | 200420 E |
| EP 1430417 | A1 | 20040623 | EP 2002802549 | A | 20020830 | 200441 E |
| | | | WO 2002US27899 | A | 20020830 | |
| KR 2004029117 | A | 20040403 | KR 2004703037 | A | 20040227 | 200451 E |
| BR 200212197 | A | 20041005 | BR 200212197 | A | 20020830 | 200475 E |
| | | | WO 2002US27899 | A | 20020830 | |
| CN 1547711 | A | 20041117 | CN 2002816699 | A | 20020830 | 200516 E |
| HU 200402437 | A1 | 20050329 | WO 2002US27899 | A | 20020830 | 200528 E |
| | | | HU 20042437 | A | 20020830 | |
| NZ 531334 | A | 20050527 | NZ 531334 | A | 20020830 | 200537 E |
| | | | WO 2002US27899 | A | 20020830 | |
| ZA 200401374 | A | 20050727 | ZA 20041374 | A | 20040219 | 200560 E |
| JP 2005528672 | W | 20050922 | WO 2002US27899 | A | 20020830 | 200563 E |
| | | | JP 2003553442 | A | 20020830 | |
| MX 2004001732 | A1 | 20050101 | WO 2002US27899 | A | 20020830 | 200564 E |
| | | | MX 20041732 | A | 20040223 | |
| NO 200400856 | A | 20040527 | NO 2004856 | A | 20040226 | 200612 E |

Priority Applications (no., kind, date): US 2001943799 A 20010831

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|----------------|------|-----|----|-----|--------------|
| US 20030065637 | A1 | EN | 11 | 2 | |
| WO 2003052623 | A1 | EN | | | |

National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Regional Designated States,Original: AT BE BG CH CY CZ DE DK EA EE ES FI

FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG
 ZM ZW

| | | | | | |
|---------------|----|----|--|---------------------|----------------|
| AU 2002364933 | A1 | EN | | Based on OPI patent | WO 2003052623 |
| EP 1430417 | A1 | EN | | PCT Application | WO 2002US27899 |
| | | | | Based on OPI patent | WO 2003052623 |

Regional Designated States, Original: AL AT BE BG CH CY CZ DE DK EE ES FI
 FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

| | | | | | |
|---------------|----|----|----|---------------------|----------------|
| BR 200212197 | A | PT | | PCT Application | WO 2002US27899 |
| | | | | Based on OPI patent | WO 2003052623 |
| HU 200402437 | A1 | HU | | PCT Application | WO 2002US27899 |
| | | | | Based on OPI patent | WO 2003052623 |
| NZ 531334 | A | EN | | PCT Application | WO 2002US27899 |
| | | | | Based on OPI patent | WO 2003052623 |
| ZA 200401374 | A | EN | 41 | | |
| JP 2005528672 | W | JA | 23 | PCT Application | WO 2002US27899 |
| | | | | Based on OPI patent | WO 2003052623 |
| MX 2004001732 | A1 | ES | | PCT Application | WO 2002US27899 |
| | | | | Based on OPI patent | WO 2003052623 |

Patent application drafting and assessment system generates hierarchical component categorization including key-component and related sub...

Original Titles:

...AUTOMATED SYSTEM METHOD FOR **PATENT** DRAFTING TECHNOLOGY ASSESSMENT...

...Automated system & method for **patent** drafting & technology assessment
 ...

...AUTOMATED SYSTEM & METHOD FOR **PATENT** DRAFTING & TECHNOLOGY ASSESSMENT
 ...

Inventor: **GLASGOW J**

Alerting Abstract ...10) of the categorization is output, for automatically generating a document for filing as a **patent** application including specification and claims, based on input information and detailed information related to the...

DESCRIPTION - An INDEPENDENT CLAIM is also included for **patent** application drafting method...

...USE - For drafting **patent** application and assessing technological information...

...to enter additional, more detailed information that provides a basis for textual representation of the **patent** or technology that is being drafted or assessed. Provides flexibility of form or format within the **patent** application, thereby enabling user to define the relationship between sub-components. Hence understanding capability of the **patent** is enhanced. Also the time involved in drafting is reduced...

...DESCRIPTION OF DRAWINGS - The figure shows the block diagram of **patent** diagram generated by the drafting system...

Title Terms/Index Terms/Additional Words: **PATENT** ;

Original Publication Data by Authority

Inventor name & address:

GLASGOW J ...

... GLASGOW, JiNan ...

... GLASGOW J ...

... GLASGOW J ...

... GLASGOW J ...

... Glasgow, JiNan ...

... GLASGOW, JiNan ...

... GLASGOW J

Original Abstracts:

A system for patent application drafting, issued **patent** and technology assessment (10) includes inputting of technology elements or components (12) into a computer. These components are divided into key components, including the title (14), objective of the invention (16), at least **one** key component (18). The at least one key component of the invention are those essential **for** functioning of the invention and those that **are** necessary for providing patentable distinction over the prior art (20). Also, information relating to background...

...is relationally and hierarchically configured in the diagrammatic representation of the invention with the subcomponent **and** related key component...

...A system and method for patent application drafting, issued patent assessment and technology assessment **includes** a computer having **input** devices for at least one user to enter information relating to components of an invention in a hierarchical and relational categorization using software **that** automatically generates a relational, diagrammatic representation of the patent or technology being assessed that is output in **a** format that is viewable and modifiable by the user(s). The user(s) may enter...

...basis for textual representation of the patent or technology that is being drafted or assessed; **this** additional information is associated with and/or connected to the diagrammatic representation, e.g., via...

...detailed description of components of the patent.

...

...for patent application drafting, issued patent and technology assessment (10) includes inputting of technology elements **or** components (12) into **a** computer. These components are divided into key components, including the title (14), objective of the invention (16), at least one key component (18). The at least one key component **of** the invention are those essential for functioning of the invention and those that are necessary **for** providing patentable distinction over the prior art (20). Also, information relating to background and problems (22) may be input into the system as...

...the invention with the subcomponent and related key component.

...

...relatif a la redaction de demandes de brevet ainsi qu'a l'evaluation de brevets **deposes** et de technologies (10), qui consiste a entrer des elements ou des composants technologiques (12...

...moins un composant cle (18). Le ou les composants cle de l'invention sont ceux **qui** sont essentiels a la realisation de l'invention et dont la presence est necessaire pour **justifier** une distinction brevetable par rapport a l'etat de la **technique** (20). De plus, des informations en rapport avec le contexte et la problematique (22) peuvent

Claims:

...1. A system for drafting a patent application and assessing technological information comprising: at least **one** input device connected to at least one computer and at least one output device, wherein...

...as a patent application, including specification and claims, based upon the user inputted information and **additional** text-based detailed information that is organized consistent with the diagram; wherein the hierarchical component...

30/3,K/6 (Item 6 from file: 350)

DIALOG(R) File 350: Derwent WPIX

(c) 2007 The Thomson Corporation. All rts. reserv.

0013256891 - Drawing available

WPI ACC NO: 2003-342395/200332

XRAM Acc No: C2003-089768

XRPX Acc No: N2003-273973

Automated water profiler system for monitoring body of fluid, includes winching system having drum with multi conductor cable engaging with hydrological multi-sensor probe, power source, electric motor, and controller

Patent Assignee: BURKHOLDER J (BURK-I); GLASGOW H (GLAS-I); REED R E (REED-I); TOMS D C (TOMS-I); UNIV NORTH CAROLINA STATE (UYNC-N)

Inventor: BURKHOLDER J; GLASGOW H; REED R E; TOMS D C

Patent Family (4 patents, 98 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update |
|----------------|------|----------|--------------------|------|----------|----------|
| WO 2003012434 | A2 | 20030213 | WO 2002US24011 | A | 20020730 | 200332 B |
| US 20030037602 | A1 | 20030227 | US 2001309001 | P | 20010731 | 200332 E |
| | | | US 2002208504 | A | 20020730 | |
| AU 2002319734 | A1 | 20030217 | AU 2002319734 | A | 20020730 | 200452 E |
| US 7040157 | B2 | 20060509 | US 2001309001 | P | 20010731 | 200632 E |
| | | | US 2002208504 | A | 20020730 | |

Priority Applications (no., kind, date): US 2002208504 A 20020730; US 2001309001 P 20010731

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|---------------|------|-----|----|-----|--------------|
| WO 2003012434 | A2 | EN | 69 | 19 | |

National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Regional Designated States, Original: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

| | | | | |
|----------------|----|----|------------------------|---------------|
| US 20030037602 | A1 | EN | Related to Provisional | US 2001309001 |
| AU 2002319734 | A1 | EN | Based on OPI patent | WO 2003012434 |
| US 7040157 | B2 | EN | Related to Provisional | US 2001309001 |

Alerting Abstract ...ADVANTAGE - The invention provides a low cost winch-based alternative to conventional systems, allows increased

locations to be numbered for a price equal to that of...

Original Publication Data by Authority

Inventor name & address:

... Glasgow, Jr., Howard

Original Abstracts:

...le fonctionnement est base sur un treuil est utilise pour lever et abaisser une sonde **hydrologique** dans une colonne d'eau, afin d'obtenir de facon dynamique et automatique des donnees...

...systemes associes. En outre, l'invention concerne un systeme permettant d'augmenter la duree de **vie** d'une sonde hydrologique par stockage de cette **derniere** au niveau d'une profondeur de subsurface immergee.

30/3,K/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2007 The Thomson Corporation. All rts. reserv.

0011075364 - Drawing available

WPI ACC NO: 2002-010567/200201

XRPX Acc No: N2002-008842

System for accessing by patient health care information using anatomic user interface displays an anatomic model from which patient selects anatomic structure of interest while user interface displays health care information

Patent Assignee: MEDORDER INC (MEDO-N)

Inventor: **GLASGOW J D ; LEWIS G P**

Patent Family (4 patents, 93 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update |
|----------------|------|----------|--------------------|------|----------|----------|
| WO 2001069500 | A1 | 20010920 | WO 2001US8062 | A | 20010312 | 200201 B |
| US 20010041992 | A1 | 20011115 | US 2000523569 | A | 20000310 | 200201 E |
| | | | US 2001808414 | A | 20010312 | |
| AU 200147408 | A | 20010924 | AU 200147408 | A | 20010312 | 200208 E |
| US 20030200119 | A1 | 20031023 | US 2000523569 | A | 20000310 | 200370 E |
| | | | US 2003456656 | A | 20030605 | |

Priority Applications (no., kind, date): US 2003456656 A 20030605; WO 2001US8062 A 20010312; US 2000523569 A 20000310

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|---------------|------|-----|----|-----|--------------|
| WO 2001069500 | A1 | EN | 90 | 13 | |

National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Regional Designated States,Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

| | | | | |
|----------------|----|----|-----------------------------|---------------|
| US 20010041992 | A1 | EN | C-I-P of application | US 2000523569 |
| AU 200147408 | A | EN | Based on OPI patent | WO 2001069500 |
| US 20030200119 | A1 | EN | Continuation of application | US 2000523569 |

Inventor: **GLASGOW J D ...**

Alerting Abstract ...a user computer according to the present invention.

Original Publication Data by Authority

Inventor name & address:

... Glasgow, James D ...

... Glasgow, James D ...

... GLASGOW, James, D

Original Abstracts:

...and services information is accessed by the practitioner to order healthcare services for the selected **anatomic** structure...

...user interface (58) to drill down to a particular anatomic structure of the patient and **order** healthcare services to be applied to the structure. The order is then forwarded to a...

.....ses recherche et selectionne une structure anatomique pour laquelle il veut acceder aux informations de **sante** . L'interface utilisateur anatomique obtient des informations anatomiques de reference standard et des informations anatomiques

Claims:

The embodiments of the invention in which an **exclusive** property or privilege is claimed are defined as follows: 1. A computer-readable medium having...

...exclusive property or privilege is claimed are defined as follows: 1. A computer-readable medium **having** a computer-executable component for enabling a user to access healthcare information, the computer-executable...

30/3,K/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0008312916

WPI ACC NO: 1997-424073/199739

XRAM Acc No: C1997-135601

XRPX Acc No: N1997-353341

Guiding catheter with enhanced control characteristics and distal part - comprises nylon polymer blend segmented sections with progressively softer materials towards the distal end for improved manoeuvrability

Patent Assignee: CORDIS CORP (CRDC)

Inventor: DANG N H; **GLASGOW J C**

Patent Family (1 patents, 1 countries)

| Patent | | Application | |
|------------|------------|---------------|---------------------|
| Number | Kind Date | Number | Kind Date Update |
| US 5658263 | A 19970819 | US 1995443727 | A 19950518 199739 B |

Priority Applications (no., kind, date): US 1995443727 A 19950518

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|------------|------|-----|----|-----|--------------|
| US 5658263 | A | EN | 8 | 6 | |

...Inventor: **GLASGOW J C**

Original Publication Data by Authority

Inventor name & address:

... Glasgow, Jr., John C

Original Abstracts:

The present invention provides a significantly **improved** guiding catheter for use in catheter systems. It utilizes a segmented body to tailor the...

...in the distal segments of the remainder of the catheter. This invention improves the transmission of torque, axial and lateral forces and reduces the likelihood of kinking both laterally and radially...

30/3,K/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2007 The Thomson Corporation. All rts. reserv.

0004749841 - Drawing available

WPI ACC NO: 1989-116781/198916

Synthetic aperture range finding appts. - provides target area mapping by dividing across track range into multiple division

Patent Assignee: MARCONI CO LTD (MAON)

Inventor: **GLASGOW J A**

Patent Family (5 patents, 10 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update |
|---------------|------|----------|--------------------|------|----------|------------|
| GB 2208933 | A | 19890419 | GB 198719800 | A | 19870821 | 198916 B |
| | | | GB 1987819800 | A | 19870821 | |
| EP 393269 | A | 19901024 | EP 1989303878 | A | 19890419 | 199043 NCE |
| NO 198901600 | A | 19901022 | NO 19891600 | A | 19890419 | 199051 NCE |
| AU 198933130 | A | 19901108 | AU 198933130 | A | 19890419 | 199101 NCE |
| GB 2208933 | B | 19910703 | GB 198719800 | A | 19870821 | 199127 E |

Priority Applications (no., kind, date): EP 1989303878 A 19890419; GB 1987819800 A 19870821

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|---|------|-----|----|-----|--------------|
| GB 2208933 | A | EN | 20 | 4 | |
| EP 393269 | A | EN | | | |
| Regional Designated States,Original: CH DE FR IT LI NL SE | | | | | |
| GB 2208933 | B | EN | | 4 | |

Inventor: **GLASGOW J A**

Original Publication Data by Authority

Inventor name & address:

Glasgow, John A., 30 Johnson Road Great Baddow, Chelmsford Essex, GB ...

... **GLASGOW J A**

Original Abstracts:

...range division, thus improving across-track range resolution. In another embodiment of the invention, a **continuous** noise-like waveform is transmitted and signal returns compared with reference waveforms derived from the...

30/3,K/10 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2007 The Thomson Corporation. All rts. reserv.

0001872557

WPI ACC NO: 1979-B3716B/197907

Radar system esp. for marine use - performs sea clutter suppression using frequency and time noise de-correlation receiver

Patent Assignee: MARCONI CO LTD (MAON)

Inventor: **GLASGOW J A**

Patent Family (6 patents, 5 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update |
|---------------|------|----------|--------------------|------|----------|----------|
| DE 2804128 | A | 19790208 | DE 2804128 | A | 19780131 | 197907 B |
| FR 2399672 | A | 19790406 | | | | 197919 E |
| US 4206463 | A | 19800603 | US 1978926733 | A | 19780721 | 198024 E |
| GB 1604645 | A | 19811209 | | | | 198150 E |
| CA 1131331 | A | 19820907 | | | | 198243 E |
| DE 2804128 | C | 19840322 | DE 2804128 | A | 19780131 | 198413 E |

Priority Applications (no., kind, date): DE 2804128 A 19780131; GB 197732460 A 19770802

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|------------|------|-----|----|-----|--------------|
| CA 1131331 | A | EN | | | |

Inventor: **GLASGOW J A**

Original Publication Data by Authority

Inventor name & address:

Glasgow, John Arthur, Great Baddow, Essex, GB ...

... Glasgow, John Arthur, Great Baddow, Essex, GB ...

... Glasgow, John A

Original Abstracts:

The invention principally concerns marine **radar** systems and seeks to reduce "sea clutter". The radar transmitter is arranged to transmit a...

File 348:EUROPEAN PATENTS 1978-2007/ 200708

(c) 2007 European Patent Office

File 349:PCT FULLTEXT 1979-2007/UB=20070301UT=20070222

(c) 2007 WIPO/Thomson

| Set | Items | Description |
|-----|---------|---|
| S1 | 1714826 | DRAFT??? OR DRAW??? OR DIAGRAM??? OR PICTURE? OR GRAPHIC??? OR MAP? ? OR REPRESENTATION? OR SCHEMA? ? OR SKETCH? OR DELI- NEATION? OR FIGURE? OR OUTLINE? OR FIGURE? ? |
| S2 | 50300 | HIERARCH???? OR MULTILEVEL? OR MULTITIER? OR (MULTI OR MUL- TIPLE)() (LEVEL? ? OR TIER? ?) (3N) (STRUCTURE? ? OR ARCHITECTUR- E? ? OR DATA OR INFORMATION OR REPRESENTATION? ?) |
| S3 | 1621076 | CATEGORY OR CATEGORIES OR CLASS?? OR SET OR SETS OR REQUIR- EMENT? OR TYPES OR SORTS OR CLASSIFICATION? ? OR GROUPS |
| S4 | 126732 | S1(3N) (EDIT??? OR CHANG??? OR TRANSFORM??? OR REPLACE? OR - REPLACING OR REVIS??? OR MAK??? OR MODIFICATION? ? OR MODIFY?- ?? OR MODIFIE? ? OR UPDAT??? OR UP()DAT???) |
| S5 | 132803 | S1(3N) (CORRECT??? OR DUPLICAT??? OR REPRODUC??? OR WRIT??? OR REVAMP??? OR REWRITE??? OR AMEND? OR EMEND? OR RE() (VAMP??? OR WORK??? OR WRIT???) OR REWORK??? OR ALTER?) |
| S6 | 1834551 | DISPLAY??? OR SHOW??? OR WINDOW? ? OR SCREEN? ? OR PAGE? ? OR VIEW? ? OR GRAPH? ? OR IMAGE? ? OR TABLE? ? OR TABULAR OR - FRONT()END? ? OR FRONTEND? ? OR GUI OR GRAPHIC??(2W)INTERFACE |
| S7 | 2803488 | INVENTOR? ? OR INVENTION OR PATENT? ? OR INTELLECTUAL()PRO- PERT? |
| S8 | 229245 | S4 OR S5 |
| S9 | 5892 | S2(3N)S3 |
| S10 | 56 | S8(15N)S9(15N)S6 |
| S11 | 21 | S10(50N)S7 |
| S12 | 12 | S11 NOT AY=2001:2007 |
| S13 | 27 | S8(5N)S9(5N)S6 |
| S14 | 16 | S13 NOT AY=2001:2007 |
| S15 | 12 | S14 NOT S12 |
| S16 | 13 | AU=(GLASGOW, J? OR GLASGOW J?) |
| S17 | 3 | S16 AND S2 |

12/3,K/1 (Item 1 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2007 European Patent Office. All rts. reserv.

01299586

SYSTEM AND METHOD SUPPORTING TYPE CHECKING OF OPTIONS

SYSTEM UND VERFAHREN ZUR UNTERSTUTZUNG VON OPTIONENTYPENKONTROLLE

SYSTEME ET PROCEDE DE CONTROLE DU TYPE D'OPTIONS

PATENT ASSIGNEE:

Curl Corporation, (3117690), 8th floor, 400 Technology Square, Cambridge,
MA 02139-3539, (US), (Proprietor designated states: all)

INVENTOR:

HALSTEAD, Robert, H., Jr., 24 Louise Road, Belmont, MA 02478, (US)

KRANZ, David, A., 115 High Haith Road, Arlington, MA 02476, (US)

TERMAN, Christopher, J., 60 Cedar Street, Newton Center, MA 02459, (US)

WARD, Stephen, A., 199 Coolidge Avenue 803, Watertown, MA 02472, (US)

LEGAL REPRESENTATIVE:

Driver, Virginia Rozanne et al (58902), Page White & Farrer 54 Doughty
Street, London WC1N 2LS, (GB)

PATENT (CC, No, Kind, Date): EP 1226496 A2 020731 (Basic)

EP 1226496 B1 040114

WO 2001033346 010510

APPLICATION (CC, No, Date): EP 2000976698 001031; WO 2000US29853 001031

PRIORITY (CC, No, Date): US 162825 P 991101; US 672848 000928

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): G06F-009/44

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS B | (English) | 200403 | 1119 |
| CLAIMS B | (German) | 200403 | 970 |
| CLAIMS B | (French) | 200403 | 1290 |
| SPEC B | (English) | 200403 | 11438 |
| Total word count - document A | | | 0 |
| Total word count - document B | | | 14817 |
| Total word count - documents A + B | | | 14817 |

...SPECIFICATION a flowchart illustrating the method of running change handlers when a local option value is **changed** .

Figures 7A illustrates a hash **table** for rapidly identifying option bindings for options, and Figure 7B is a flowchart illustrating a process of using the hash **table** of Figure 7A.

Figure 8 illustrates a **class hierarchy** for graphical objects in a system embodying the **invention** .

Figure 9 illustrates an example class hierarchy with option binding lists for illustrating the use of nonlocal options in accordance with the present **invention** .

Figure 10 is a sample graphical hierarchy for illustrating principles of the **invention** .

Figure 11 is a flowchart illustrating the process of getting a nonlocal option value.

Figure...

12/3,K/2 (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2007 European Patent Office. All rts. reserv.

00707415

SERVICE CREATION IN AN OBJECT ORIENTED SYSTEM

DIENSTERZEUGUNG IN EINEM OBJEKTORIENTIERTEN SYSTEM

CREATION DE SERVICES DANS UN SYSTEME ORIENTE OBJETS

PATENT ASSIGNEE:

TALIGENT, INC., (1821850), 10201 N. De Anza Boulevard, Cupertino, CA
95014, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

ANDERT, Glenn, P., 18487 Edminton Court, Cupertino, CA 95051, (US)

NORMAN, George, W., 4753 Bach Court, Fremont, CA 94538, (US)

LEGAL REPRESENTATIVE:

Kindermann, Manfred (6412), Patentanwalt, Sperberweg 29, 71032 Boblingen,
(DE)

PATENT (CC, No, Kind, Date): EP 714533 A1 960605 (Basic)

EP 714533 B1 970423

WO 9517720 950629

APPLICATION (CC, No, Date): EP 94923159 940517; WO 94US5470 940517

PRIORITY (CC, No, Date): US 171721 931221

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS (V7): G06F-009/46;

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|----------------|----------|--------|------------|
|----------------|----------|--------|------------|

| | | | |
|----------|-----------|--------|------|
| CLAIMS B | (English) | EPAB97 | 1104 |
|----------|-----------|--------|------|

| | | | |
|----------|----------|--------|-----|
| CLAIMS B | (German) | EPAB97 | 995 |
|----------|----------|--------|-----|

| | | | |
|----------|----------|--------|------|
| CLAIMS B | (French) | EPAB97 | 1266 |
|----------|----------|--------|------|

| | | | |
|--------|-----------|--------|-------|
| SPEC B | (English) | EPAB97 | 11253 |
|--------|-----------|--------|-------|

| | |
|-------------------------------|---|
| Total word count - document A | 0 |
|-------------------------------|---|

| | |
|-------------------------------|-------|
| Total word count - document B | 14618 |
|-------------------------------|-------|

| | |
|------------------------------------|-------|
| Total word count - documents A + B | 14618 |
|------------------------------------|-------|

...SPECIFICATION an example of how THardwareInterfaceReference can be used
by the printer framework for an ImageWriterII;

Figure 29 illustrates **Maker Class diagrams** ;

Figure 30 illustrates Service Class diagrams;

Figure 31 shows the hierarchy of TPresentableViews;

Figure 32 shows the **class hierarchy** of services if a common
class hierarchy was not avoided; and

Figure 33 and **Figure 34** together demonstrate the development of a
maker.

Detailed Description Of The Invention

The detailed embodiments of the present **invention** are disclosed
herein. It should be understood, however, that the disclosed embodiments
are merely exemplary of the **invention** , which may be embodied in various
forms. Therefore, the details disclosed herein are not to...

12/3,K/3 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00801702 **Image available**

SYSTEM AND METHOD SUPPORTING PLURAL OPTION DATA STRUCTURES

**SYSTEME ET PROCEDE POUR LA PRISE EN CHARGE DE PLUSIEURS STRUCTURES DE
DONNEES D'OPTIONS**

Patent Applicant/Assignee:

CURL CORPORATION, 8th floor, 400 Technology Square, Cambridge, MA 02139,
US, US (Residence), US (Nationality)

Inventor(s):

HALSTEAD Robert H Jr, 24 Louise Road, Belmont, MA 02478, US,
KRANZ David A, 115 High Haith Road, Arlington, MA 02476, US,
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Legal Representative:

SMITH James M (et al) (agent), Hamilton, Brook, Smith & Reynolds, P.C.,
530 Virginia Road, P.O. Box 9133, Concord, MA 01742-9133, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200135214 A2-A3 20010517 (WO 0135214)
Application: WO 2000US30021 20001031 (PCT/WO US0030021)
Priority Application: US 99162825 19991101; US 2000672564 20000928

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 13405

Fulltext Availability:

Detailed Description

Detailed Description

... a flowchart illustrating the method of running change handlers when a
local option value is **changed** .

Figures 7A illustrates a hash **table** for rapidly identifying option
bindings for options, and Figure 7B is a flowchart illustrating a process
of using the hash **table** of Figure 7A.

Figure 8 illustrates a **class hierarchy** for graphical objects in a
system
embodying the **invention** .

Figure 9 illustrates an example class hierarchy with option binding lists
for illustrating the use of nonlocal options in accordance with the
present **invention** .

Figure 10 is a sample graphical hierarchy for illustrating principles of
the **invention** .

Figure I I is a flowchart illustrating the process of getting a nonlocal
option value...

12/3,K/4 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00799786 **Image available**

SYSTEM AND METHOD SUPPORTING MAPPING OF OPTION BINDINGS
SYSTEME ET PROCEDE PERMETTANT DE SUPPORTER UNE MISE EN CORRESPONDANCE DE
LIAISONS D'OPTION

Patent Applicant/Assignee:

CURL CORPORATION, 8th floor, 400 Technology Square, Cambridge, MA 02139,
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Inventor(s):

HALSTEAD Robert H Jr, 24 Louise Road, Belmont, MA 02478, US,
KRANZ David A, 115 High Haith Road, Arlington, MA 02476, US,
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Legal Representative:

• SMITH James M (et al) (agent), Hamilton, Brook, Smith & Reynolds, P.C.,
530 Virginia Road, P.O. Box 9133, Concord, Massachusetts, 01742-9133,
US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200133348 A2-A3 20010510 (WO 0133348)

Application: WO 2000US29899 20001030 (PCT/WO US0029899)

Priority Application: US 99162825 19991101; US 2000672579 20000928

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 13093

Fulltext Availability:

Detailed Description

Detailed Description

... a flowchart illustrating the method of running change handlers when a
local option value is **changed** .

in

Figures 7A illustrates a hash **table** for rapidly identifying option
bind' gs for options, and Figure 7B is a flowchart illustrating a process
of using the hash **table** of Figure 7A.

Figure 8 illustrates a **class hierarchy** for graphical objects in a
system
embodying the **invention** .

Figure 9 illustrates an example class hierarchy with option binding lists
for illustrating the use of nonlocal options in accordance with the
present **invention** .

Figure IO is a sample graphical hierarchy for illustrating principles of
the **invention** .

Figure I I is a flowchart illustrating the process of getting a nonlocal
option value...

12/3,K/5 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2007 WIPO/Thomson. All rts. reserv.

00799785 **Image available**

SYSTEM AND METHOD SUPPORTING NONLOCAL VALUES

SYSTEME ET PROCEDE DE SUPPORT DE VALEURS NON LOCALES

Patent Applicant/Assignee:

CURL CORPORATION, 8th floor, 400 Technology Square, Cambridge, MA 02139,
US, US (Residence), US (Nationality)

Inventor(s):

HALSTEAD Robert H Jr, 24 Louise Road, Belmont, MA 02478, US,
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WARD Stephen A, 199 Coolidge Avenue #803, Watertown, MA 02472, US,

Legal Representative:

SMITH James M (et al) (agent), Hamilton, Brook, Smith & Reynolds, P.C.,
530 Virginia Road, P.O. Box 9133, Concord, MA 01742-9133, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200133347 A2-A3 20010510 (WO 0133347)

Application: WO 2000US29861 20001031 (PCT/WO US0029861)

Priority Application: US 99162825 19991101; US 2000672565 20000928

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 14080

Fulltext Availability:

Detailed Description

Detailed Description

... a flowchart illustrating the method of running change handlers when a
local option value is **changed** .

Figures 7A illustrates a hash **table** for rapidly identifying option
bindings for options, and Figure 7B is a flowchart illustrating a process
of using the hash **table** of Figure 7A.

Figure 8 illustrates a **class hierarchy** for graphical objects in a
system
embodying the **invention** .

Figure 9 illustrates an example class hierarchy with option binding lists
for illustrating the use of nonlocal options in accordance with the
present **invention** .

Figure 10 is a sample graphical hierarchy for illustrating principles of
the **invention** .

Figure 11 is a flowchart illustrating the process of

12/3,K/6 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2007 WIPO/Thomson. All rts. reserv.

00799784 **Image available**

SYSTEM AND METHOD SUPPORTING TYPE CHECKING OF OPTIONS
SYSTEME ET PROCEDE DE CONTROLE DU TYPE D'OPTIONS

Patent Applicant/Assignee:

CURL CORPORATION, 8th floor, 400 Technology Square, Cambridge, MA 02139,
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Inventor(s):

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Legal Representative:

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530 Virginia Road, P.O. Box 9133, Concord, MA 01742-9133, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200133346 A2-A3 20010510 (WO 0133346)
Application: WO 2000US29853 20001031 (PCT/WO US0029853)
Priority Application: US 99162825 19991101; US 2000672848 20000928

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 12836

Fulltext Availability:

Detailed Description

Detailed Description

... a flowchart illustrating the method of running change handlers when a
local option value is **changed** .

Figures 7A illustrates a hash **table** for rapidly identifying option
bindings for options, and Figure 7B is a flowchart illustrating a process
of using the hash **table** of Figure 7A.

Figure 8 illustrates a **class hierarchy** for graphical objects in a
system
embodying the **invention** .

Figure 9 illustrates an example class hierarchy with option binding lists
for illustrating the use of nonlocal options in accordance with the
present **invention** .

Figure 10 is a sample graphical hierarchy for illustrating principles of
the **invention** .

Figure I 1 is a flowchart illustrating the process of getting a nonlocal option value...

12/3,K/7 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2007 WIPO/Thomson. All rts. reserv.

00799776 **Image available**

SYSTEM AND METHOD SUPPORTING PROPERTY VALUES AS OPTIONS

SYSTEME ET PROCEDE ACCEPTANT DES VALEURS DE PROPRIETE SOUS FORME D'OPTIONS

Patent Applicant/Assignee:

CURL CORPORATION, 8th Floor, 400 Technology Square, Cambridge, MA 02139,
US, US (Residence), US (Nationality)

Inventor(s):

HALSTEAD Robert H Jr, 24 Louise Road, Belmont, MA 02478, US,
KRANZ David A, 115 High Haith Road, Arlington, MA 02476, US,
TERMAN Christopher J, 60 Cedar Street, Newton Center, MA 02459, US,
WARD Stephen A, 199 Coolidge Avenue, #803, Watertown, MA 02472, US,

Legal Representative:

SMITH James M (et al) (agent), Hamilton, Brook, Smith & Reynolds, P.C.,
530 Virginia Road, P.O. Box 9133, Concord, MA 01742-9133, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200133337 A2-A3 20010510 (WO 0133337)

Application: WO 2000US29907 20001030 (PCT/WO US0029907)

Priority Application: US 99162825 19991101; US 2000672562 20000928

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 12709

Fulltext Availability:

Detailed Description

Detailed Description

... a flowchart illustrating the method of running change handlers when a local option value is **changed**.

Figures 7A illustrates a hash **table** for rapidly identifying option bindings for options, and Figure 7B is a flowchart illustrating a process of using the hash **table** of Figure 7A.

Figure 8 illustrates a **class hierarchy** for graphical objects in a system embodying the **invention**.

Figure 9 illustrates an example class hierarchy with option binding lists for illustrating the use of nonlocal options in accordance with the present **invention**.

Figure 10 is a sample graphical hierarchy for illustrating principles of

the **invention** .

Figure I I is a flowchart illustrating the process of getting a nonlocal option value...

12/3,K/8 (Item 6 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00784135

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A LOCALLY ADDRESSABLE INTERFACE IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT
SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION METTANT EN OEUVRE UNE INTERFACE ADRESSABLE LOCALEMENT DANS UN ENVIRONNEMENT DE CONFIGURATIONS DE SERVICES DE COMMUNICATION

Patent Applicant/Assignee:

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(Residence), US (Nationality)

Inventor(s):

BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor, 2029 Century Park East, Los Angeles, CA 09967-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116727 A2-A3 20010308 (WO 0116727)

Application: WO 2000US24189 20000831 (PCT/WO US0024189)

Priority Application: US 99387064 19990831

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM
HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX
NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 151048

Fulltext Availability:

Detailed Description

Detailed Description

... method for providing an abstraction factory pattern in accordance with an embodiment of the present **invention** ;
Figure 55 illustrates a flowchart for a method for representing a plurality of batch jobs...

...a system each with a unique class in accordance with an embodiment of the present **invention** ;

Figure 56 illustrates a class diagram of the batch job **hierarchy** ;

Figure 57 illustrates an object interaction **graph** of a possible implementation of the class

diagram of Figure 56;

Figure 58 illustrates a flowchart for a method for controlling access to

...

...a business object via an attribute dictionary in accordance with an embodiment of the present **invention** ; Figure 59 illustrates a flowchart for, a method for structuring batch activities for simplified reconfiguration...

12/3,K/9 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2007 WIPO/Thomson. All rts. reserv.

00784134

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A CONSTANT CLASS COMPONENT IN A BUSINESS LOGIC SERVICES PATTERNS ENVIRONMENT

SYSTEME, PROCEDE ET ARTICLE MANUFACTURE UN COMPOSANT DE CLASSE DE CONSTANTE DANS UN ENVIRONNEMENT DE SCHEMAS DE SERVICES DE LOGIQUE D'AFFAIRES

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
(Residence), US (Nationality)

Inventor(s):

BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly LLP, Suite 3800, 2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116726 A2-A3 20010308 (WO 0116726)

Application: WO 2000US24188 20000831 (PCT/WO US0024188)

Priority Application: US 99387213 19990831

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM
HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX
NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 150446

Fulltext Availability:

Detailed Description

Detailed Description

... method for providing an abstraction factory pattern in accordance with an embodiment of the present **invention** ;
Figure 55 illustrates a flowchart for a method for representing a plurality of batch jobs...

...a system each with a unique class in accordance with an embodiment of the present **invention** ;

Figure 56 illustrates a class diagram of the batch job **hierarchy** ;

Figure 57 illustrates an object interaction **graph** of a possible implementation of the class **diagram** of Figure 56;

Figure 58 illustrates a flowchart for a method for controlling access to

...

...a business object via an attribute dictionary in accordance with an embodiment of the present **invention** ; Figure 59 illustrates a flowchart for a method for structuring batch activities for simplified reconfiguration...

12/3,K/10 (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2007 WIPO/Thomson. All rts. reserv.

00483491 **Image available**

**HARMONIC NEUTRALIZED VOLTAGE SOURCED INVERTER EMPLOYING PHASE SHIFTING
INTERPHASE TRANSFORMERS**

**ONDULEURS A SOURCE DE TENSION ET A NEUTRALISATION DES HARMONIQUES UTILISANT
DES DEPHASEURS INTERPHASES**

Patent Applicant/Assignee:

CBS CORPORATION,

Inventor(s):

STACEY Eric John,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9914843 A1 19990325

Application: WO 98US16402 19980805 (PCT/WO US9816402)

Priority Application: WO 98US16402 19980805

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM
HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO
NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE
LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR
GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 3942

Fulltext Availability:

Detailed Description

Detailed Description

... rated at less than about seventeen percent of the output power of the inverter. The **hierarchial** arrangements of the **sets** of phase shifting interphase **transformers** shown in **Figures** 5 and 6 generate perfect 24 and 48-pulse wave forms requiring phase shifting interphase...

...less than about twenty-eight percent of the output power.

While specific embodiments of the **invention** have been described in detail, it will be appreciated by those skilled in the art...

12/3,K/11 (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00376923

STRUCTURED FOCUSED HYPERTEXT DATA STRUCTURE

STRUCTURE DE DONNEES HYPERTEXTE ARTICULEE SUR LA STRUCTURATION

Patent Applicant/Assignee:

HYPERMED LTD,

OREN Avraham,

OLCHA Lev,
KOWALSKI Nahum,
MARGULYAN Rita,

Inventor(s):

OREN Avraham,
OLCHA Lev,
KOWALSKI Nahum,
MARGULYAN Rita,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9717666 A2 19970515

Application: WO 96IL131 19961023 (PCT/WO IL9600131)

Priority Application: US 95551929 19951023

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE
KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE
SG SI SK TJ TM TR TT UA UG US UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ MD
RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG
CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 263802

Fulltext Availability:

Detailed Description

Detailed Description

... California.

10

SUBSTITUTE SHEET (RULE 26)

BRIEF DESCRIPTION OF THE DRAWINGS

The file of this **patent** contains at least one drawing executed in color.

Copies of this patent with color drawing...

...like references refer to like or corresponding parts, and in which.

Fig. 1 is a **diagram** representing the structure of prior art hypertext systems;

Fig. 2 is a diagram representing a **hierarchical**, multi-parent data structure

of the present invention;

Fig. 3 **shows** the relationships between the database files in the data structure of one preferred embodiment of...

12/3,K/12 (Item 10 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00299569

SERVICE CREATION IN AN OBJECT ORIENTED SYSTEM

CREATION DE SERVICES DANS UN SYSTEME ORIENTE OBJETS

Patent Applicant/Assignee:

TALIGENT INC,

Inventor(s):

ANDERT Glenn P,

NORMAN George W,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9517720 A1 19950629

Application: WO 94US5470 19940517 (PCT/WO US9405470)

Priority Application: US 93171721 19931221

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB HU JP KP KR KZ LK LU LV MG
MN MW NL NO NZ PL PT RO RU SD SE SK UA UZ VN AT BE CH DE DK ES FR GB GR
IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 12750

Fulltext Availability:

Detailed Description

Detailed Description

... an example of how THardwareInterfaceReference can be used

by the printer framework for an ImageWriter111;

Figure 29 illustrates **Maker Class diagrams** ;

Figure 30 illustrates Service Class diagrams;

Figure 31 **shows** the hierarchy of TPresentableViews;

Figure 32 **shows** the **class hierarchy** of services if a common **class hierarchy** was not avoided; and

Figure 33 and Figure 34 together demonstrate the development of a maker.

Detailed Description Of The **Invention**

The detailed embodiments of the present **invention** are disclosed herein. It should be understood, however, that the disclosed embodiments -are merely exemplary of the **invention** , which may be embodied in various

forms. Therefore, the details disclosed herein are not to...

15/3,K/1 (Item 1 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01287281

**A METHOD AND SYSTEM FOR PUBLICATION AND REVISION OF HIERARCHICALLY
ORGANIZED SETS OF STATIC INTRANET AND INTERNET WEB PAGES
VERFAHREN UND SYSTEM FUR DIE PUBLIKATION UND REVISION VON HIERARCHISCH
ORGANISIERTEN SATZEN VON STATISCHEN INTRANET- UND INTERNET-SEITEN
PROCEDE ET SYSTEME POUR PUBLIER ET REVISER DES ENSEMBLES HIERARCHIQUEMENT
ORGANISES DE PAGES WEB INTRANET ET INTERNET STATIQUES**

PATENT ASSIGNEE:

Netspinner Solutions AS, (4961870), Waldemar Thranes gate 23A, 0171 Oslo,
(NO), (Proprietor designated states: all)

INVENTOR:

GAUTESTAD, Arild, O., Schoenings gate 27, N-0362 Oslo, (NO)

LEGAL REPRESENTATIVE:

Winter, Brandl & Partner (100055), Patent- und Rechtsanwaltskanzlei
Alois-Steinecker-Strasse 22, 85354 Freising, (DE)

PATENT (CC, No, Kind, Date): EP 1218843 A2 020703 (Basic)

EP 1218843 B1 041215

WO 2001025986 010412

APPLICATION (CC, No, Date): EP 2000968165 001002; WO 2000IB1520 001002

PRIORITY (CC, No, Date): US 409898 991001

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): G06F-017/60; G06F-017/27; G06F-017/30

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|----------------|-----------|--------|------------|
| CLAIMS B | (English) | 200451 | 2427 |
| CLAIMS B | (German) | 200451 | 2815 |
| CLAIMS B | (French) | 200451 | 3028 |
| SPEC B | (English) | 200451 | 9810 |

Total word count - document A 0

Total word count - document B 18080

Total word count - documents A + B 18080

...SPECIFICATION on which detailed descriptions on the content file level
are defined to belong to which **categories**. Thus, a **hierarchical**
structure of **category** list documents, each with a set of underlying
item descriptions, is maintained and continuously **updated**.

A **graphical** user **interface** is provided which resembles a report
view in a database program, wherein each report represents...

15/3,K/2 (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00702131

OBJECT-ORIENTED CURSOR TOOL

OBJEKTORIENTIERTES CURSORWERKZEUG

OUTIL A CURSEUR ORIENTE OBJET

PATENT ASSIGNEE:

TALIGENT, INC., (1821850), 10201 N. De Anza Boulevard, Cupertino, CA
95014, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

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Kindermann, Manfred (6412), Patentanwalt, Sperberweg 29, 71032 Boblingen, (DE)

PATENT (CC, No, Kind, Date): EP 693192 A1 960124 (Basic)

EP 693192 B1 971008

WO 9513578 950518

APPLICATION (CC, No, Date): EP 94907130 940103; WO 94US11 940103

PRIORITY (CC, No, Date): US 150627 931109

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS (V7): G06F-003/033; G06F-017/21;

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|----------------|----------|--------|------------|
|----------------|----------|--------|------------|

| | | | |
|----------|-----------|--------|------|
| CLAIMS B | (English) | 9710W1 | 1548 |
|----------|-----------|--------|------|

| | | | |
|----------|----------|--------|------|
| CLAIMS B | (German) | 9710W1 | 1414 |
|----------|----------|--------|------|

| | | | |
|----------|----------|--------|------|
| CLAIMS B | (French) | 9710W1 | 1725 |
|----------|----------|--------|------|

| | | | |
|--------|-----------|--------|------|
| SPEC B | (English) | 9710W1 | 6443 |
|--------|-----------|--------|------|

Total word count - document A 0

Total word count - document B 11130

Total word count - documents A + B 11130

...SPECIFICATION to the application via a tool negotiation message 1820 to the tool negotiator 1830 to **update** the **display** .

TAbstractTool

Figure 19 is a diagram **showing** the **class hierarchy** in accordance with a preferred embodiment. Of particular interest are, TGlobalID GetID() const; which gets...

15/3,K/3 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00792473 **Image available**

A METHOD AND SYSTEM FOR PUBLICATION AND REVISION OF HIERARCHICALLY ORGANIZED SETS OF STATIC INTRANET AND INTERNET WEB PAGES

PROCEDE ET SYSTEME POUR PUBLIER ET REVISER DES ENSEMBLES HIERARCHIQUEMENT ORGANISES DE PAGES WEB INTRANET ET INTERNET STATIQUES

Patent Applicant/Assignee:

NETFRONT AS, Olav Vs gt 1, P.O. Box 1473 Vika, N-0116 Oslo, NO, NO

(Residence), NO (Nationality)

Inventor(s):

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Legal Representative:

LANGFELDT Jens F C (agent), Bryns Patentkontor A/S, P.O. Box 765 Sentrum, N-0106 Oslo, NO,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200125986 A2-A3 20010412 (WO 0125986)

Application: WO 2000IB1520 20001002 (PCT/WO IB0001520)

Priority Application: US 99409898 19991001

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CA

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English
Fulltext Word Count: 12651

Fulltext Availability:
Detailed Description

Detailed Description

... on which detailed descriptions on the content file level are defined to belong to which **categories**. Thus, a **hierarchical** structure of **category** list documents, each with a set of underlying item descriptions, is maintained and continuously **updated**.

A **graphical** user **interface** is provided which resembles a report view in a database program, wherein each report represents...

15/3,K/4 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2007 WIPO/Thomson. All rts. reserv.

00757044 **Image available**

PROCESS CONTROL CONFIGURATION SYSTEM WITH PARAMETERIZED OBJECTS
SYSTEME DE CONFIGURATION DE COMMANDE DE PROCESSUS VIA DES OBJETS PARAMETRES

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200070417 A1 20001123 (WO 0070417)
Application: WO 2000US13618 20000517 (PCT/WO US0013618)
Priority Application: US 99134597 19990517; US 99448374 19991123; US
99448845 19991123; US 99448223 19991123

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA
UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English
Filing Language: English
Fulltext Word Count: 94824

Fulltext Availability:
Detailed Description

Detailed Description

... how the object type hierarchy can appear in IDA. As mentioned previously, within the type **hierarchy**, branches form type **categories**, to which one or more object types belong. In the example **shown** in **Figure 14** are all examples of type categories. Within the category Block Types, AINBlock, AOUTBlock, and...

15/3,K/5 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2007 WIPO/Thomson. All rts. reserv.

00515359 **Image available**

COMPUTER METHOD AND APPARATUS FOR AUTOMATIC EXECUTION OF SOFTWARE APPLICATIONS

PROCEDE ET APPAREIL INFORMATIQUES PERMETTANT L'EXECUTION AUTOMATIQUE D'APPLICATIONS LOGICIELLES

Patent Applicant/Assignee:

ASPEN TECHNOLOGY INC,

Inventor(s):

JIM Parsons,

NAVANI Girish,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9946711 A1 19990916

Application: WO 99US5393 19990312 (PCT/WO US9905393)

Priority Application: US 9877841 19980313

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE
GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU
ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY
DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML
MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 5210

Fulltext Availability:

Detailed Description

Detailed Description

... 224 is also an alternate interface to issue commands to the Workspace 200, such as **changing** Printer settings.

Figure 6 illustrates the **hierarchical** relationship between business **categories**, business activities and business tasks of the Workspace 200 as **shown** in Figures 2a and 2b. A business category graphical representation 610 is displayed...

15/3,K/6 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00456834 **Image available**

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR SWITCHED TELEPHONY COMMUNICATION

SYSTEME PROCEDE ET ARTICLE CONCU POUR LES COMMUNICATIONS TELEPHONIQUES PAR

RESEAU COMMUTE

Patent Applicant/Assignee:

MCI WORLDCOM INC,

Inventor(s):

ZEY David A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9847298 A2 19981022

Application: WO 98US7927 19980415 (PCT/WO US9807927)

Priority Application: US 97835789 19970415; US 97834320 19970415

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU
IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW
SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR
IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 156638

Fulltext Availability:

Detailed Description

Detailed Description

... conference call initiated by the video operator
in accordance with a preferred embodiment;

Figure 100 shows the class hierarchy for video operator software
system

classes in accordance with a preferred embodiment;

Figure 101 shows a state transition diagram illustrating the state
changes that may occur in the VOCall object...

15/3,K/7 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00443927

A COMMUNICATION SYSTEM ARCHITECTURE

ARCHITECTURE D'UN SYSTEME DE COMMUNICATION

Patent Applicant/Assignee:

MCI WORLDCOM INC,

EASTEP Guido M,

LITZENBERGER Paul R,

OREBAUGH Shannon R,

ELLIOTT Isaac K,

STELLE Rick,

SCHRAGE Bruce,

BAXTER Craig A,

ATKINSON Wesley,

KNOSTMAN Chuck,

CHEN Bing,

VANDERSLUIS Kristan,

Inventor(s):

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LITZENBERGER Paul R,

OREBAUGH Shannon R,

ELLIOTT Isaac K,

STELLE Rick,

SCHRAGE Bruce,

BAXTER Craig A,

ATKINSON Wesley,
KNOSTMAN Chuck,
CHEN Bing,
VANDERSLUIS Kristan,
JUN Fang DI,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9834391 A2 19980806
Application: WO 98US1868 19980203 (PCT/WO US9801868)
Priority Application: US 97794555 19970203; US 97794114 19970203; US
97794689 19970203; US 97807130 19970210; US 97798208 19970210; US
97795270 19970210; US 97797964 19970210; US 97800243 19970210; US
97798350 19970210; US 97797445 19970210; US 97797360 19970210
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM
GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX
NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH
GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI
FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 156226

15/3,K/8 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2007 WIPO/Thomson. All rts. reserv.

00432616

A COMMUNICATION SYSTEM ARCHITECTURE
SYSTEME, PROCEDE ET PRODUIT MANUFACTURE POUR L'ARCHITECTURE D'UN SYSTEME DE
COMMUNICATION

Patent Applicant/Assignee:
MCI COMMUNICATIONS CORPORATION,
ELLIOTT Isaac K,
STEELE Rick D,
GALVIN Thomas J,
LAFRENIERE Lawrence L,
KRISHNASWAMY Sridhar,
FORGY Glen A,
REYNOLDS Tim E,
SOLBRIG Erin M,
CERF Vinton,
GROSS Phil,
DUGAN Andrew J,
SIMS William A,
HOLMES Allen,
SMITH Robert S II,
KELLY Patrick J III,
GOTTLIEB Louis G,
COLLIER Matthew T,
WILLE Andrew N,
RINDE Joseph,
LITZENBERGER Paul D,
TURNER Don A,
WALTERS John J,
EASTEP Guido M,
MARSHALL David D,
PRICE Ricky A,
SALEH Bilal A,
Inventor(s):

ELLIOTT Isaac K,
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GALVIN Thomas J,
LAFRENIERE Lawrence L,
KRISHNASWAMY Sridhar,
FORGY Glen A,
REYNOLDS Tim E,
SOLBRIG Erin M,
CERF Vinton,
GROSS Phil,
DUGAN Andrew J,
SIMS William A,
HOLMES Allen,
SMITH Robert S II,
KELLY Patrick J III,
GOTTLIEB Louis G,
COLLIER Matthew T,
WILLE Andrew N,
RINDE Joseph,
LITZENBERGER Paul D,
TURNER Don A,
WALTERS John J,
EASTEP Guido M,
MARSHALL David D,
PRICE Ricky A,
SALEH Bilal A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9823080 A2 19980528
Application: WO 97US21174 19971114 (PCT/WO US9721174)
Priority Application: US 96751203 19961118; US 96751668 19961118; US
96752271 19961118; US 96758734 19961118; US 96751209 19961118; US
96751661 19961118; US 96752236 19961118; US 96752487 19961118; US
96752269 19961118; US 96751923 19961118; US 96751658 19961118; US
96752552 19961118; US 96751933 19961118; US 96751663 19961118; US
96746899 19961118; US 96751915 19961118; US 96752400 19961118; US
96751922 19961118; US 96751961 19961118

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU
IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH KE LS MW
SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE
IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 168195

15/3,K/9 (Item 7 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00346271 **Image available**

FLASH CONFIGURATION CACHE

ANTEMEMOIRE DE CONFIGURATION EN TECHNOLOGIE FLASH

Patent Applicant/Assignee:

TRILOGY DEVELOPMENT GROUP,

Inventor(s):

GHATATE Bhalchandra,

LIEMANDT Joseph,

PRICE Andrew,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9628784 A1 19960919
Application: WO 96US3406 19960313 (PCT/WO US9603406)
Priority Application: US 95418 19950313

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AU BR CA JP KR NO NZ AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 20824

Fulltext Availability:

Detailed Description

Detailed Description

... ability to interactively define the Product Base using a graphical user interface. The semantic representations,, **class hierarchies**, and structural **hierarchies** of the model may be viewed (i.e., browsed) and modified (i.e., **edited**) interactively using a **graphical user interface**. Further, constraint input is verified. Testing and debugging capabilities are provided to identify problems in...

15/3,K/10 (Item 8 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00332990 **Image available**

OBJECT ORIENTED DATABASE MANAGEMENT SYSTEM

SYSTEME DE GESTION DE BASE DE DONNEES ORIENTE OBJET

Patent Applicant/Assignee:

CADIS INC,
KAVANAGH Thomas S,
BEALL Christopher W,
HEINZ William C,
MOTYCKA John D,
PENDLETON Samuel S,
SMALLWOOD Thomas D,
TERPENING Brooke E,
TRAUT Kenneth A,

Inventor(s):

KAVANAGH Thomas S,
BEALL Christopher W,
HEINZ William C,
MOTYCKA John D,
PENDLETON Samuel S,
SMALLWOOD Thomas D,
TERPENING Brooke E,
TRAUT Kenneth A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9615501 A1 19960523
Application: WO 95US15028 19951113 (PCT/WO US9515028)
Priority Application: US 94339481 19941110; US 95527161 19950912

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB HU JP KP KR KZ LK LU LV MG
MN MW NO NZ PL PT RO RU SD SE SK UA UZ VN AT BE CH DE DK ES FR GB GR IE
IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 77639

Fulltext Availability:
Detailed Description

Detailed Description

... a flow chart depicting procedures followed when a user edits parts.

Figure 36 depicts a **display** screen showing information displayed in the parts **editor** window .

Figure 37 depicts a **display** screen showing information displayed in the parts **editor** window .

Figure 38 is a flow chart depicting procedures followed when a user deletes parts.

Figure 39 is a flow chart depicting procedures followed when a user moves parts.

Figure 40...illustrates a flow chart for an example where a user, while in the edit parts **window** , navigates to different locations in the **class hierarchy** tree.

Figure 227 depicts an example of a **screen display** when editing a part.

Figure 228 shows a schema corresponding to the schema being edited in Figure 227.

Figure 229 shows a...

15/3,K/11. (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2007 WIPO/Thomson. All rts. reserv.

00316711 **Image available**

A METHOD AND SYSTEM FOR MANIPULATING INTELLIGENT REPRESENTATIONS OF REAL EQUIPMENT WITHIN A GRAPHICAL COMPUTER SYSTEM
PROCEDE ET SYSTEME DE MANIPULATION DE REPRESENTATIONS INTELLIGENTES DE MATERIEL REEL DANS UN SYSTEME INFORMATIQUE GRAPHIQUE

Patent Applicant/Assignee:

TELEFONAKTIEBOLAGET LM ERICSSON,
HELM Andrew Richard,
FORTIN Dennis,
BERDYCH Julian,
BOUCHER Pierre,
JENKEVICE Al,

Inventor(s):

HELM Andrew Richard,
FORTIN Dennis,
BERDYCH Julian,
BOUCHER Pierre,
JENKEVICE Al,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9534866 A1 19951221
Application: WO 95SE720 19950614 (PCT/WO SE9500720)
Priority Application: US 94790 19940614

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP
KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ
TT UA UG US UZ VN KE MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU MC
NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 9709

Fulltext Availability:

Detailed Description

Detailed Description

... structure which
represents an associated model object.

By separating the presentation 214 from the associated **view** object, the manipulation semantics are decoupled from the rendering mechanisms. This allows the underlying **graphic** mechanisms to be **changed** in the future without having to redesign the classes within the **view class hierarchy**. For example, **changing** from a HOOPS **graphics** system to a PEX graphics system can be effected without having to redesign the classes...

15/3,K/12 (Item 10 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00275196

METHOD AND APPARATUS FOR CONFIGURING SYSTEMS
PROCEDE ET APPAREIL DE CONFIGURATION DE SYSTEMES

Patent Applicant/Assignee:

TRILOGY DEVELOPMENT GROUP,

Inventor(s):

LYNCH John,
FRANKE David,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9423372 A1 19941013

Application: WO 94US3445 19940321 (PCT/WO US9403445)

Priority Application: US 93949 19930329

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB GE HU JP KG KP KR KZ LK LU
LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK TJ UA UZ VN AT BE CH DE
DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN
TD TG

Publication Language: English

Fulltext Word Count: 16187

Fulltext Availability:

Detailed Description

Detailed Description

... The Model Maintenance Subsystem provides the ability to interactively define the Product Base using a **graphical user interface**. The semantic representations, **class hierarchies**, and structural **hierarchies** of the model may be viewed (i.e., browsed) and modified (i.e., **edited**) interactively using a **graphical user interface**.

Further, constraint input is verified. Testing and debugging capabilities are provided to identify problems in...

17/3,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01240716 **Image available**

PATENT CLAIMS ANALYSIS SYSTEM AND METHOD

SYSTEME ET PROCEDE D'ANALYSE DES REVENDICATIONS DE BREVETS

Patent Applicant/Assignee:

SPORE INC, 510 Glenwood Avenue, Suite 321, Raleigh, NC 27603, US, US
(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

GLASGOW JiNan , 911 W. South Street, Raleigh, NC 27603, US, US
(Residence), US (Nationality), (Designated only for: US)

BERETICH Guy Richard Jr, 911 W. South Street, Raleigh, NC 27603, US, US
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

GLASGOW JiNan (agent), P.O.Box 28539, Raleigh, NC 27611-8539, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200548055 A2-A3 20050526 (WO 0548055)

Application: WO 2004US37001 20041108 (PCT/WO US2004037001)

Priority Application: US 2003518119 20031107

Designated States:

(All protection types applied unless otherwise stated - for applications 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LU MC NL PL PT
RO SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 4246

Patent Applicant/Inventor:

GLASGOW JiNan ...

Fulltext Availability:

Detailed Description

Claims

English Abstract

...the functions of automated importing of patent claims, automated parsing of the claims into their **hierarchy**, and compression/expansion of the parsed claims to/from the independent claim level.

French Abstract

...d'importation automatisee de revendications de brevet, l'analyse lexicale automatisee des revendications dans leur **hierarchie** et la compression/extension des revendications analysees vers/a partir du niveau de revendication independant.

Detailed Description

... patent claims based upon the user inputted information, parsing the patent claims hierarchically, generating a **hierarchical** claims diagram, and outputting a viewable diagram of the parsed claims; wherein the claims diagram...

...and compression of the at least part of a patent claims series according

to the **hierarch** of the at least part of a patent claims series.

2

These and other aspects...

...functions: automated import of patent claims, 1 5 automated parsing of the claims into their **hierarchy**, and compression/expansion 1 6 functionality of the parsed claims to/from the independent claim...

...each claim as an element of a Patent Matrix diagram; arranging the claims in a **hierarchy** according to the claims numbering and relationship to other claims; compressing the claims in the **hierarchy** to display at least only the independent claims to the user via the GUI; the...

...expanded claims as desired.

The document, grant, and/or application is imported, parsed into its **hierarchical** order, and compressed to the highest level for initial display on an interactive graphical user...

...even though the subelements are not themselves independent claims or the highest level in a **hierarchical** relationship.

The diagrammatic user interactive compression of claims is particularly useful for persons examining large...

...the US Application 20020068013 has been completely expanded, as shown in Figure 5. Note the **hierarchical** dependency of dependent claims 2 through 7, automatically created by the Patent Matrix software import...

...or font changes may be used to further distinguish 9 **hierarchical** elements and sub-elements. Figure 9 is another user interface of an expanded view for...

...patent claims based upon the user inputted information, parsing the patent claims hierarchically, generating a **hierarchical** claims diagram, and outputting a viewable diagram of the parsed claims; wherein the claims diagram...

...the at least part of a patent claims series according to the **hierarch** of the at least part of a patent claims series.

Furthermore, the present invention system...

...d.parsing the at least part of a patent claims series into the claims **hierarchy** of at least part of a patent claims series;
e. displaying the parsed at...

...I cast part of a patent claims 1 1 series according to the **hierarch** of the at least part of a patent claims series.

1 2 As in the...

Claim

... claims based upon the user inputted information, parsing the patent claims hierarchically, generating a **hierarchical** claims diagram, and outputting
1 3 a viewable diagram of the parsed claims;
wherein t...

...the at least part of a a patent 1 6 claims series according to the **hierarch** of the at least part of a patent claims series. 1 7 2. The system...

...software;

d. parsing the at least part of a patent claims series into the claims **hierarchy** of at
1 5 least part of a a patent claims series;
1 6 e...

...I east p art of a p atent claims 1 8 series according to the **hierarch** of the at least part of a patent claims series.

23 The method of claim...

17/3,K/2 (Item 2 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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01022582 **Image available**

AUTOMATED SYSTEM & METHOD FOR PATENT DRAFTING & TECHNOLOGY ASSESSMENT
SYSTEME ET PROCEDE AUTOMATISE DE REDACTION DE BREVETS ET D'EVALUATION
TECHNOLOGIQUE

Patent Applicant/Assignee:

SPORE INC, 510 Glenwood Avenue, Suite 321, Raleigh, NC 27603, US, US
(Residence), (For all designated states except: US)

Patent Applicant/Inventor:

GLASGOW JiNan, Glasgow Law Firm, P.O. Box 28539, Raleigh, NC 27611-8539
, US, US (Residence), US (Nationality), (Designated only for: US)

Patent and Priority Information (Country, Number, Date):

Patent: WO 200352623 A1 20030626 (WO 0352623)

Application: WO 2002US27899 20020830 (PCT/WO US02027899)

Priority Application: US 2001943799 20010831

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 7295

Patent Applicant/Inventor:

GLASGOW JiNan ...

Fulltext Availability:

Claims

French Abstract

...sous-composants (24) qui viennent s'integrer dans le composant cle au plan relationnel et **hierarchique** dans le diagramme de representation.

De meme, le sous-composant peut renfermer au moins un...

...s'integrer dans le sous-composant et dans le composant cle au plan relationnel et **hierarchique** dans la representation par diagramme.

Claim

... at least one user to enter information relating to components of an invention in a **hierarchichal** and relational categorization using software that automatically generates a relational, diagrammatic representation of the patent...information to a computer or other automated electronic device, the information being ordered in a **hierarchichal** and relational categorization, the computer or device using software to automatically generate a relational, diagrammatic...be construed as limiting terms. Referring now to Figure 1, a block diagram of a **hierarchichal** component categorization according to the system of the present invention, generally referenced as 10...into the system as well. These initial or primary inputs are automatically configured into a **hierarchichal** and relational diagrammatic format, which is generated by a software program and which is capable...and related sub-subcomponents are input by the user(s) and automatically organized in a **hierarchichal** and relational component categorization diagram that may be reconfigured later by the user(s) and manner without departing from the organized **hierarchichal** and relational categorization and configuration of the components considered within the scope of the present...data inputting process, the system automatically organizes the inputted components and their subcomponents into a **hierarchy** based upon the user(s) inputs; the drafter may override or modify the initial **hierarchichal** order or organization thereafter. This **hierarchy** is one in which the component and its subconiponent(s) are ...are thus linked such that they can be outputted in a format that preserves the **hierarchy** established by the drafter. The method also allows for the multiple **hierarchy** charts, such that multiple charts can be display alternately or simultaneously. This function can be important if a patent drafter is unsure of the **hierarchy** of components. Thus, optional **hierarchies** can be generated with which the drafter can query

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others as to which is the preferred **hierarchy**. The multiple charts can be made by duplicating the original chart and then varying only the elements to be changed. The **hierarchy** may next be outputted in various forinats and to various areas of a patent draft. In a preferred method according to the present invention, the **hierarchy** of elements is outputted in an outline format, a claims format, and a diagrammatic format...the foregoing. This automatically generated claims format is one that preserves the parent/child or **hierarchichal** relationship of the components established in the diagram. Ibis parent/child or **hierarchichal** relationship may be described by using an outline format or simply by the physical relationship...CD-roin disk, and the like. This diagram is a visual representation of the technological **hierarchy** of the technology or invention. This diagram may be the same diagram used to generate the technological **hierarchy** or it may be a different diagram. For example, the **hierarchy** may be outputted in a 2-dimensional format such as a triangular format, a

I...they are not missed. Also, copy and pasting of a specification element into the technology **hierarchichal** matrix will generate a hyperlink between diagram and spec and ...information to a computer or other automated electronic device, the inforination being ordered in a **hierarchichal** and relational categorization, the computer or device using software to automatically generate a relational, diagrammatic...the system automatically generating a visual diagram of the elements of the invention in

a **hierarchichal** relational diagram

* at least one user entering diagram verbage by ...consistency among

users and across technologies. Furthermore, the diagrammatic representation of the components in a **hierarchical** 1 0 and relational manner provides a useful tool that facilitates the description and explanation...s) may intelligently move elements around to make diagram aesthetically pleasing without departing from the

hierarchical and relational structure of the component diagram

Enhanced sharing and editing features that permit multiple...not different from regular elements, unless so identified by the user(s). According to the **hierarchical** relationship of components, each parent element or key component contains a pointer to the first...which a visual diagram of the elements of the invention is automatically constructed in a **hierarchical** relational diagram

Entering diagram verbage involves drafting the text-based detailed description or verbage of...upon a reading of the foregoing description. By way of example, alternative representations of the **hierarchical** diagrammatic representation of components of a patent or technology are possible without departing from the...installed and capable of running on the at least one computer for automatically generating a **hierarchical** component categorization based upon the user inputted information and outputting a viewable diagram of that...information and additional textbased detailed information that is organized consistent with the diagram; wherein the **hierarchical** component categorization includes at least one key component and at least one subcomponent related thereto...

...1, wherein the diagram is modifiable by the at least one user and the diagram **hierarchical** component categorization and related text-based detailed information is automatically updated based upon the user...a system automatically generating a visual diagram of the components of the invention in a **hierarchical** relational diagram, wherein the system includes at least one input device connected to at least...installed and capable of running on the at least one computer for automatically generating a **hierarchical** component categorization based upon the user inputted information and outputting a viewable diagram of that...and additional text-based detailed information that is organized consistent with the diagram; wherein the **hierarchical** component categorization includes at least one key component and at least one subcomponent related thereto...the step of automatically generating a patent application based upon the inputted information and the **hierarchical** diagram, including specification and claims.

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17/3,K/3 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00835844 **Image available**

METHOD AND SYSTEM FOR ACCESSING HEALTHCARE INFORMATION USING AN ANATOMIC USER INTERFACE

PROCEDE ET SYSTEME D'ACCES A DES INFORMATIONS DE SANTE, DANS LESQUELS UNE INTERFACE UTILISATEUR ANATOMIQUE EST EMPLOYEE

Patent Applicant/Assignee:

MEDORDER INC, 200 West Mercer Street, Suite 309, Seattle, WA 98119, US,
US (Residence), US (Nationality)

Inventor(s):

LEWIS Gregory P, 312 West Comstock Street, Seattle, WA 98119, US,

GLASGOW James D , 13449 First Avenue SW, Burien, WA 98146, US,

Legal Representative:

CULIC Mary L (agent), Christensen O'Connor Johnson & Kindness PLLC, Suite
2800, 1420 Fifth Avenue, Seattle, WA 98101, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200169500 A1 20010920 (WO 0169500)
Application: WO 2001US8062 20010312 (PCT/WO US0108062)
Priority Application: US 2000523569 20000310

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 21243

Inventor(s):

... **GLASGOW James D**

Fulltext Availability:

Detailed Description

Detailed Description

... particular diagnosis;

FIGURE I I is a block diagram of a tree structure representing a
hierarchical grouping of possible diagnoses used to determine which
healthcare services are
available for order;

FIGURE...objects. The objects in an objectoriented programming paradigm
can be organized into classes in a **hierarchical** fashion or aggregated
into related groups of objects. A class defines a certain category or...

File 8: Ei Compendex(R) 1884-2007/Feb W4
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File 35: Dissertation Abs Online 1861-2007/Feb
(c) 2007 ProQuest Info&Learning

File 65: Inside Conferences 1993-2007/Mar Q6
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File 2: INSPEC 1898-2007/Feb W4
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File 94: JICST-EPlus 1985-2007/Mar W2
(c) 2007 Japan Science and Tech Corp(JST)

File 6: NTIS 1964-2007/Mar W1
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File 144: Pascal 1973-2007/Feb W4
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File 34: SciSearch(R) Cited Ref Sci 1990-2007/Feb W4
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File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 2006 The Thomson Corp

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File 56: Computer and Information Systems Abstracts 1966-2007/Feb
(c) 2007 CSA.

File 60: ANTE: Abstracts in New Tech & Engineer 1966-2007/Feb
(c) 2007 CSA.

| Set | Items | Description |
|-----|----------|---|
| S1 | 4449021 | DRAFT??? OR DRAW??? OR DIAGRAM??? OR PICTURE? OR GRAPHIC??? OR MAP? ? OR REPRESENTATION? OR SCHEMA? ? OR SKETCH? OR DELI- NEATION? OR FIGURE? OR OUTLINE? OR FIGURE? ? |
| S2 | 402377 | HIERARCH???? OR MULTILEVEL? OR MULTITIER? OR (MULTI OR MUL- TIPLE) () (LEVEL? ? OR TIER? ?) (3N) (STRUCTURE? ? OR ARCHITECTUR- E? ? OR DATA OR INFORMATION OR REPRESENTATION? ?) |
| S3 | 9174539 | CATEGORY OR CATEGORIES OR CLASS?? OR SET OR SETS OR REQUIR- EMENT? OR TYPES OR SORTS OR CLASSIFICATION? ? OR GROUPS |
| S4 | 99425 | S1(3N) (EDIT??? OR CHANG??? OR TRANSFORM??? OR REPLACE? OR - REPLACING OR REVIS??? OR MAK??? OR MODIFICATION? ? OR MODIFY?- ?? OR MODIFIE? ? OR UPDAT??? OR UP() DAT???) |
| S5 | 37138 | S1(3N) (CORRECT??? OR DUPLICAT??? OR REPRODUC??? OR WRIT??? OR REVAMP??? OR REWRITE??? OR AMEND? OR EMEND? OR RE() (VAMP??? OR WORK??? OR WRIT???) OR REWORK??? OR ALTER?) |
| S6 | 15441720 | DISPLAY??? OR SHOW??? OR WINDOW? ? OR SCREEN? ? OR PAGE? ? OR VIEW? ? OR GRAPH? ? OR IMAGE? ? OR TABLE? ? OR TABULAR OR - FRONT()END? ? OR FRONTEND? ? OR GUI OR GRAPHIC??(2W)INTERFACE |
| S7 | 410879 | INVENTOR? ? OR INVENTION OR PATENT? ? OR INTELLECTUAL() PRO- PERT? |
| S8 | 134860 | S4 OR S5 |
| S9 | 325 | S2(3N) S4 |
| S10 | 175 | S8 AND S9 AND S6 |
| S11 | 0 | S10 AND S7 |
| S12 | 124 | RD S10 (unique items) |
| S13 | 93 | S8(15N) S9(15N) S6 |
| S14 | 66 | RD (unique items) |
| S15 | 48 | S14 NOT PY=2001:2007 |

| | | |
|-----|-----|--------------------------------|
| S16 | 59 | S8(5N)S9(5N)S6 |
| S17 | 45 | RD (unique items) |
| S18 | 38 | S17 NOT PY=2001:2007 |
| S19 | 795 | AU=(GLASGOW, J? OR GLASGOW J?) |
| S20 | 30 | S19 AND S2 |
| S21 | 18 | RD (unique items) |

18/5,K/1 (Item 1 from file: 8)

DIALOG(R) File 8: Ei Compendex(R)

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08598286 E.I. No: EIP00075230137

Title: Mining remote sensing image data: An integration of fuzzy set theory and image understanding techniques for environmental change detection

Author: Eklund, Peter; You, Jane; Deer, Peter

Corporate Source: Griffith Univ, Nathan, Aust

Conference Title: Data Mining and Knowledge Discovery: Theory, Tools, and Technology II

Conference Location: Orlando, FL, USA Conference Date: 19000424-19000425

Sponsor: SPIE

E.I. Conference No.: 56986

Source: Proceedings of SPIE - The International Society for Optical Engineering v 4057 2000. SPIE, Bellingham, WA, USA. p 265-272

Publication Year: 2000

CODEN: PSISDG ISSN: 0277-786X

Language: English

Document Type: CA; (Conference Article) Treatment: A; (Applications); T; (Theoretical)

Journal Announcement: 0008W3

Abstract: This paper presents an image understanding approach to mine remotely sensed image data from different source dates for environmental change detection. It is focused on the immediate needs for knowledge discovery from large sets of image data for environmental monitoring. In contrast to the traditional approaches for change detection, we introduce a wavelet-based hierarchical scheme which integrates fuzzy set theory and image understanding techniques for knowledge discovery of the remote **image** data. The proposed approach includes algorithms for **hierarchical change** detection, region **representations** and classification. The effectiveness of the proposed algorithms is demonstrated throughout the completion of three tasks, namely hierarchical detection of change by fuzzy post classification comparison, localization of change by B-spline based region **representation**, and categorization of **change** by **hierarchical** texture classification. (Author abstract) 24 Refs.

Descriptors: *Data mining; Remote sensing; Fuzzy sets; Knowledge acquisition; Algorithms; Hierarchical systems; Feature extraction; Image understanding

Identifiers: Environmental change detection; Feature representation

Classification Codes:

723.2 (Data Processing); 723.3 (Database Systems); 723.4 (Artificial Intelligence); 741.1 (Light/Optics)

723 (Computer Software); 921 (Applied Mathematics); 741 (Optics & Optical Devices)

72 (COMPUTERS & DATA PROCESSING); 92 (ENGINEERING MATHEMATICS); 74 (OPTICAL TECHNOLOGY)

...Abstract: which integrates fuzzy set theory and image understanding techniques for knowledge discovery of the remote **image** data. The proposed approach includes algorithms for **hierarchical change** detection, region **representations** and classification. The effectiveness of the proposed algorithms is demonstrated throughout the completion of three...

...of change by fuzzy post classification comparison, localization of change by B-spline based region **representation**, and categorization of **change** by **hierarchical** texture classification. (Author abstract) 24 Refs.

18/5,K/2 (Item 2 from file: 8)

DIALOG(R) File 8: Ei Compendex(R)

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07515396 E.I. No: EIP96103349999

Title: Hierarchical program diagram editor based on attribute graph grammar

Author: Adachi, Yoshihiro; Tsuchida, Kensei; Anzai, Koushi; Yaku, Takeo
Corporate Source: Toyo Univ, Saitama, Jpn

Conference Title: Proceedings of the 1996 IEEE 20th Annual International Computer Software & Applications Conference, COMPSAC'96

Conference Location: Seoul, S Korea Conference Date: 19960821-19960823

Sponsor: IEEE

E.I. Conference No.: 45361

Source: Proceedings - IEEE Computer Society's International Computer Software & Applications Conference 1996. IEEE, Los Alamitos, CA, USA, 96CB35986. p 205-213

Publication Year: 1996

CODEN: PSICD2 ISSN: 0730-6512

Language: English

Document Type: CA; (Conference Article) Treatment: A; (Applications); G; (General Review)

Journal Announcement: 9611W4

Abstract: The hierarchical program diagram editor is a tool for visual program environments. In this paper, we propose a model of a syntax-directed diagram editor using an attribute graph grammar. We formalize and define editor commands by using productions of the attribute graph grammar which defines the hierarchical program diagram. This guarantees that any diagram that is grammatically correct can be generated and that there will be no syntax errors in the program generation and editing processes with the editor. We have implemented our editor based on the editor command definitions. The system introduced in this paper is the first practical program diagram editor supporting complete syntax-directed commands and efficient automatic layouts by using attribute graph grammars. The methods in this paper should be applicable to development environments for various tree-structured diagrams. (Author abstract) 20 Refs.

Descriptors: *File editors; Computational grammars; Hierarchical systems; Data structures; Computational linguistics; Computer software; Software engineering; Computer aided software engineering; Computer programming

Identifiers: Hierarchical program diagram editor ; Attribute graph grammar; Syntax directed editor ; Hierarchical program diagrams ; Graph drawing ; Visual programming; Graph editor ; Program diagram editor

Classification Codes:

723.2 (Data Processing); 721.1 (Computer Theory, Includes Formal Logic, Automata Theory, Switching Theory, Programming Theory); 723.1 (Computer Programming); 723.5 (Computer Applications)

723 (Computer Software); 721 (Computer Circuits & Logic Elements)

72 (COMPUTERS & DATA PROCESSING)

Title: Hierarchical program diagram editor based on attribute graph grammar

Identifiers: Hierarchical program diagram editor ; Attribute graph grammar; Syntax directed editor ; Hierarchical program diagrams ; Graph drawing ; Visual programming; Graph editor ; Program diagram editor

18/5,K/3 (Item 3 from file: 8)

DIALOG(R) File 8: Ei Compendex(R)

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07395998 E.I. No: EIP96053162097

Title: On the hough transform of multi-level pictures

Author: Shapiro, Vladimir A.

Corporate Source: Bar-Gold Electronics Ltd, Haifa Bay, Isr

Source: Pattern Recognition v 29 n 4 Apr 1996. p 589-602

Publication Year: 1996

CODEN: PTNRA8 ISSN: 0031-3203

Language: English

Document Type: JA; (Journal Article) Treatment: A; (Applications); T; (Theoretical)

Journal Announcement: 9606W5

Abstract: The Hough Transform (HT) is a popular tool for pattern extraction on a discrete planar grid. Unfortunately, it cannot work directly with grey-level or other multi-level images, requiring them to be segmented in advance. The Radon Transform (RT) is free of this limitation at the expense of extra computations being required. In this paper, we introduce the so-called Digital Halfoning Hough Transform (DHHT), which is able to process grey-level images without relying upon any assumption on the picture origin, contents or grey-level distribution as in the RT, and hold the HT computation time. The benefit in time, depending on the average image intensity, is estimated quantitatively in comparison with the RT computed in spatial and Fourier domains. Major DHHT techniques are assessed with regard to the approximation quality metrics established in this paper. The DHHT merits are demonstrated on the artificial example of edge detection, along with the real problem of Young's fringe pattern analysis, successfully solved by the DHHT. (Author abstract) 35 Refs.

Descriptors: *Mathematical transformations; Feature extraction; Image segmentation; Fourier transforms; Edge detection; Computational methods; Image analysis; Response time (computer systems)

Identifiers: Hough **transforms** ; **Multilevel pictures** ; Radon **transforms** ; Digital halftoning; Speckle and particle velocimetry; Young fringe analysis; Computation time; **Image** intensity

Classification Codes:

921.3 (Mathematical Transformations); 723.5 (Computer Applications); 723.2 (Data Processing); 721.1 (Computer Theory, Includes Formal Logic, Automata Theory, Switching Theory, Programming Theory)

921 (Applied Mathematics); 723 (Computer Software); 721 (Computer Circuits & Logic Elements)

92 (ENGINEERING MATHEMATICS); 72 (COMPUTERS & DATA PROCESSING)

Identifiers: Hough **transforms** ; **Multilevel pictures** ; Radon **transforms** ; Digital halftoning; Speckle and particle velocimetry; Young fringe analysis; Computation time; **Image** intensity

18/5,K/4 (Item 4 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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07114673 E.I. No: EIP95032625370

Title: Integration of genetic algorithms and fuzzy logic into a neural network simulation environment

Author: Wilke, P.; Billing, G.; Mansfeld, C.; Nilson, J.

Corporate Source: Lehrstuhl fuer Programmiersprachen der Universitaet Erlangen-Nuernberg, Erlangen, Ger

Conference Title: Proceedings of the 3rd International Workshop on Modeling, Analysis, and Simulation of Computer and Telecommunications Systems

Conference Location: Durham, NC, USA Conference Date: 19950118-19950120
Sponsor: IEEE

E.I. Conference No.: 42665

Source: IEEE International Workshop on Modeling, Analysis, and Simulation
of Computer and Telecommunication Systems - Proceedings 1995. IEEE,
Piscataway, NJ, USA, 94TH8028. p 330-333

Publication Year: 1995

CODEN: 85ORAG

Language: English

Document Type: CA; (Conference Article) Treatment: A; (Applications); T
; (Theoretical)

Journal Announcement: 9505W3

Abstract: NeuroGraph is a simulation environment for neural networks. It provides an easy to use graphical user interface to design, construct and execute neural networks. The most important design goals were easy extensibility, good performance and the ability to solve real world problems. Extensibility is ensured by an extremely flexible, hierarchical internal representation (data structure), which can be easily manipulated by graphical tools. Current available extensions to the neural network simulator are components for genetic algorithms and fuzzy logic. As an example the automated generation of a neural network by a genetic algorithm is shown. This data structure can be interpreted for debugging purposes or can be executed directly for high performance computing. In the later case C or C plus plus code is generated from the internal representation of the neural functions, compiled and stored in an executable process (library). NeuroGraph has a file or process interface to interconnect which other processes. It is also possible to generate C or C plus plus code representing the neural network with can be incorporated in other applications. (Author abstract) 5 Refs.

Descriptors: *Neural networks; Computer simulation; Integration; Genetic algorithms; Fuzzy sets; Computer graphics; User interfaces; Problem solving ; Hierarchical systems; Data structures

Identifiers: Neural network simulation environment; Topology **editor** ;
Graphical user interface ; **Hierarchical** internal representation;
Graphical tools; Neurograph; Communication interface

Classification Codes:

723.4 (Artificial Intelligence); 723.5 (Computer Applications); 921.6 (Numerical Methods); 723.1 (Computer Programming); 921.4 (Combinatorial Mathematics, Includes Graph Theory, Set Theory); 731.1 (Control Systems)

723 (Computer Software); 921 (Applied Mathematics); 731 (Automatic Control Principles)

72 (COMPUTERS & DATA PROCESSING); 92 (ENGINEERING MATHEMATICS); 73 (CONTROL ENGINEERING)

Identifiers: Neural network simulation environment; Topology **editor** ;
Graphical user interface ; **Hierarchical** internal representation;
Graphical tools; Neurograph; Communication interface

18/5,K/5 (Item 5 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

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05125486 E.I. Monthly No: EIM8610-070682

Title: **EVALUATION AND SORTING OF MULTICOMPONENT DESCRIPTIONS, IN ONE INTERVAL OR IN CONSTANT TIME, BY SIMPLE NEURAL NETS.**

Author: Martin, R.

Corporate Source: Brooklyn Coll, Brooklyn, NY, USA

Conference Title: Proceedings of the 1985 Summer Computer Simulation Conference.

Conference Location: Chicago, IL, USA Conference Date: 19850722

Sponsor: Soc for Computer Simulation, San Diego, CA, USA
E.I. Conference No.: 07359
Source: Proceedings of the Summer Computer Simulation Conference 1985.
Publ by North-Holland, Amsterdam, Neth and New York, NY, USA p 696-701
Publication Year: 1985
CODEN: PSCCD6 ISSN: 0094-7474 ISBN: 0-444-8779-1
Language: English
Document Type: PA; (Conference Paper)
Journal Announcement: 8610

Abstract: A large number of constraints (66,864 in the example described) on permissible connection values within a rather ordinary network of nerve-like processing elements are shown to enable typical 'want ad' job descriptions, consisting of ten attributes each, to be evaluated and sorted according to any subset of attributes, within approximately one time interval or in constant time. This evaluation/sort procedure is startling because only three 'learning rules' are required to guide adjustment of connections, when job descriptions are originally input into the net, to values that satisfy the 66,864 constraints. It is also of interest because no tree of pointers or rearrangement of information is necessary, because only n processors and ALPHA $\times n$ connections are required, because multiplication, division and other relatively time-consuming operations need not be performed, and because different kinds of evaluation and sorting are possible, including four that may be interpreted as somewhat selfish, selfless, insufficiently critical and hypercritical. The learning rules employed are a subset of those **shown** elsewhere to enable representation of limited concept **hierarchies** and cognitive **maps**. (**Edited** author abstract) 27 refs.

Descriptors: *SYSTEMS SCIENCE AND CYBERNETICS--*Neural Nets
Identifiers: CONSTANT TIME; MULTICOMPONENT DESCRIPTIONS; ONE INTERVAL; NERVE-LIKE PROCESSING; JOB DESCRIPTIONS; CONSTRAINTS

Classification Codes:
461 (Biotechnology); 731 (Automatic Control Principles); 912 (Industrial Engineering & Management); 723 (Computer Software)
46 (BIOENGINEERING); 73 (CONTROL ENGINEERING); 91 (ENGINEERING MANAGEMENT); 72 (COMPUTERS & DATA PROCESSING)

...Abstract: selfish, selfless, insufficiently critical and hypercritical. The learning rules employed are a subset of those **shown** elsewhere to enable representation of limited concept **hierarchies** and cognitive **maps**. (**Edited** author abstract) 27 refs.

18/5,K/6 (Item 6 from file: 8)
DIALOG(R)File 8: Ei Compendex(R)
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05055261 E.I. Monthly No: EI8612125584 E.I. Yearly No: EI86085427
Title: PATTERN CLASSIFICATION OF LINE DRAWN THREE-DIMENSIONAL OBJECTS.
Author: Lee, Ho Soo
Corporate Source: Northwestern Univ, Evanston, IL, USA
Source: Tech Pap Soc Manuf Eng 1984 MS84-505, 15p
Publication Year: 1984
CODEN: SMEPBA
Language: ENGLISH
Document Type: UP; (Unpublished Paper or Preprint) Treatment: A;
(Applications)
Journal Announcement: 8612

Abstract: A technique for recognizing line drawings of individual three-dimensional objects consisting of flat surfaces is presented. For efficient recognition process, line **drawing** structures are **transformed** to the **hierarchical** directed **graphs** (digraph). The hierarchical

digraphs have two characteristics such as: the hierarchy is assigned to each vertex based on the corresponding vertex type, and a set of planes are associated to a vertex. (Edited author abstract) 6 refs.

Descriptors: *PATTERN RECOGNITION SYSTEMS--*Computer Applications; ARTIFICIAL INTELLIGENCE; COMPUTER AIDED ANALYSIS

Identifiers: OBJECT RECOGNITION TECHNIQUE; VISUAL SENSE .

Classification Codes:

723 (Computer Software)

72 (COMPUTERS & DATA PROCESSING)

...Abstract: individual three-dimensional objects consisting of flat surfaces is presented. For efficient recognition process, line drawing structures are transformed to the hierarchical directed graphs (digraph). The hierarchical digraphs have two characteristics such as: the hierarchy is assigned to each...

18/5,K/7 (Item 7 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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04666203 E.I. Monthly No: EIM8407-053326

Title: ADAPTIVE TRANSFORM CODING FOR STILL PICTURE COMMUNICATION.

Author: Lohscheller, H.

Corporate Source: ANT Nachrichtentechnik GmbH, Backnang, West Ger

Conference Title: Proceedings - 1984 International Zurich Seminar on Digital Communications: Applications of Source Coding Channel Coding and Secrecy Coding.

Conference Location: Zurich, Switz Conference Date: 19840306

Sponsor: IEEE Switzerland Chapter on Digital Communication Systems, Switz

E.I. Conference No.: 04072

Source: International Zurich Seminar on Digital Communications 1984. Publ by IEEE, New York, NY, USA. Available from IEEE Service Cent (Cat n 84CH1998-4), Piscataway, NJ, USA p 25-31

Publication Year: 1984

CODEN: PIZCDH

Language: English

Document Type: PA; (Conference Paper)

Journal Announcement: 8407

Descriptors: *IMAGE PROCESSING--*Control

Identifiers: DIGITAL TRANSMISSION OF STILL PICTURES ; NARROW BAND CHANNELS TRANSFORM CODING; DATA COMPRESSION; HIERARCHICAL TRANSMISSION STRATEGY; IMAGE BUILD-UP; ADAPTIVE CONTROL

Classification Codes:

741 (Optics & Optical Devices); 723 (Computer Software); 731 (Automatic Control Principles); 922 (Statistical Methods); 912 (Industrial Engineering & Management)

74 (OPTICAL TECHNOLOGY); 72 (COMPUTERS & DATA PROCESSING); 73 (CONTROL ENGINEERING); 92 (ENGINEERING MATHEMATICS); 91 (ENGINEERING MANAGEMENT)

Identifiers: DIGITAL TRANSMISSION OF STILL PICTURES ; NARROW BAND CHANNELS TRANSFORM CODING; DATA COMPRESSION; HIERARCHICAL TRANSMISSION STRATEGY; IMAGE BUILD-UP; ADAPTIVE CONTROL

18/5,K/8 (Item 8 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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04254894 E.I. Monthly No: EIM8211-050923

Title: GEOMETRIC MODELING IN VISION FOR MANUFACTURING.

Author: Brooks, Rodney A.; Binford, Thomas O.

Corporate Source: Stanford Univ; Calif, USA

Conference Title: Techniques and Applications of Image Understanding.

Conference Location: Washington, DC, USA Conference Date: 19810421

Sponsor: SPIE, Bellingham, Wash, USA

E.I. Conference No.: 01253

Source: Proceedings of SPIE - The International Society for Optical Engineering V 281. Publ by SPIE, Bellingham, Wash, USA p 141-159

Publication Year: 1981

CODEN: PSISDG ISBN: 0-89252-314-X

Language: English

Document Type: PA; (Conference Paper)

Journal Announcement: 8211

Descriptors: *COMPUTER AIDED DESIGN--*Image Techniques

Identifiers: GEOMETRIC MODELING FOR MANUFACTURING; SHOP FLOOR PROCESSES; COMPUTER GRAPHICS; VISION SYSTEMS; VOLUMETRIC **HIERARCHY** ; COORDINATE **TRANSFORMS REPRESENTATION** ; ARTICULATED OBJECT MODELING; RESTRICTION **GRAPH ; IMAGE** FEATURE RELATIONSHIP

Classification Codes:

723 (Computer Software); 741 (Optics & Optical Devices); 921 (Applied Mathematics)

72 (COMPUTERS & DATA PROCESSING); 74 (OPTICAL TECHNOLOGY); 92 (ENGINEERING MATHEMATICS)

Identifiers: GEOMETRIC MODELING FOR MANUFACTURING; SHOP FLOOR PROCESSES; COMPUTER GRAPHICS; VISION SYSTEMS; VOLUMETRIC **HIERARCHY** ; COORDINATE **TRANSFORMS REPRESENTATION** ; ARTICULATED OBJECT MODELING; RESTRICTION **GRAPH ; IMAGE** FEATURE RELATIONSHIP

18/5,K/9 (Item 9 from file: 8)

DIALOG(R) File 8: Ei Compendex(R)

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04236506 E.I. Monthly No: EIM8208-030025

Title: LOWER COST GRAPHICS SYSTEM FOR VLSI DESIGN, DRC, AND PATTERN GENERATION.

Author: Jennings, R. M.; Edmondson, T. H.

Corporate Source: DMT Corp, USA

Conference Title: European Conference on Electronic Design Automation.

Conference Location: Brighton, Engl Conference Date: 19810901

Sponsor: IEE, London, Engl; Br Comput Soc, London, Engl; Conv of Natl Soc of Electr Eng of West Eur; IEEE Circuits and Syst Soc, New York, NY, USA; IEEE Reg 8

E.I. Conference No.: 00476

Source: IEE Conference Publication n 200. Publ by IEE, London, Engl and New York, NY, USA p 178-182

Publication Year: 1981

CODEN: IECPB4 ISBN: 0-85296243-6

Language: English

Document Type: PA; (Conference Paper)

Journal Announcement: 8208

Descriptors: *INTEGRATED CIRCUITS

Identifiers: VLSI DESIGN; LOW-COST GRAPHIC SYSTEMS; LSI DESIGN; OPTICAL PATTERN GENERATION; DESIGN RULE CHECKING; ALPHANUMERIC MESSAGE **DISPLAYS** ; SOFTWARE ARCHITECTURE; **GRAPHICS EDITORS ; HIERARCHICAL** DESIGN

Classification Codes:

713 (Electronic Circuits); 714 (Electronic Components); 723 (Computer Software)

71 (ELECTRONICS & COMMUNICATIONS); 72 (COMPUTERS & DATA PROCESSING)

...Identifiers: DESIGN; LOW-COST GRAPHIC SYSTEMS; LSI DESIGN; OPTICAL PATTERN GENERATION; DESIGN RULE CHECKING; ALPHANUMERIC MESSAGE **DISPLAYS** ; SOFTWARE ARCHITECTURE; **GRAPHICS EDITORS** ; **HIERARCHICAL DESIGN**

18/5,K/10 (Item 1 from file: 35)

DIALOG(R) File 35:Dissertation Abs Online
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0990977 ORDER NO: AADDX-81758

A STUDY OF THE SOLITON SOLUTIONS OF THE BOUSSINESQ AND OTHER NONLINEAR EVOLUTION EQUATIONS OF FLUID MECHANICS

Author: ISA, MUKHETA BIN

Degree: PH.D

Year: 1988

Corporate Source/Institution: UNIVERSITY OF NEWCASTLE UPON TYNE (UNITED KINGDOM) (0682)

Source: VOLUME 49/04-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 1231. 201 PAGES

Descriptors: PHYSICS, FLUID AND PLASMA

Descriptor Codes: 0759

Available from UMI in association with The British Library.

After introducing the nonlinear evolution equations of interest: the finite depth fluid (FDF), the Kadomtsev-Petviashvili (KP), the Classical and the ordinary Boussinesq equations, formal asymptotic derivations of the KP and the FDF equations are given for the description of surface and interfacial waves.

The N-soliton solution of the FDF equation is reconstructed as a finite sum of Wronskian type determinants. This solution is then shown to reduce to the solutions of the KdV and the Benjamin - Ono equations under specific limiting conditions. Interactions between two solitons of the FDF equation are studied and their interaction properties are shown to reduce to those of the KdV and the Benjamin - Ono equations. Computer plots of the interactions of two-soliton solutions of the FDF and the Benjamin - Ono equations are given.

Resonance phenomena in solitons are studied with reference to the KP equation. After discussion of the basic concepts of these phenomena, the N-soliton solution is shown to reduce to the Wronskian of $N/2$ functions (N -even), each of which represents a triad of solitons when the solitons resonate in pairs. Asymptotic behaviour of the interactions between a triad and a soliton and between two triads are examined and the phase shifts of the triads are obtained directly from the Wronskian representation. The interactions are analysed in detail with reference to numerical computations of the full solutions.

After showing that the Classical Boussinesq equations are obtained from Whitham's shallow water wave equations, the basic concept of Hirota's $pq = c$ reduction of the first **modified KP hierarchy** is **outlined**. The Classical Boussinesq equations are **shown** as the $pq = 0$ reduction of the same hierarchy. The solution of the hierarchy is manipulated to incorporate the $pq = 0$ reduction. As a result of these limiting procedures applied to the problem, Wronskian solutions of the Classical Boussinesq equations in terms of rational functions are produced.

Finally the $pq = c$ reduction of the KP hierarchy is applied to the ordinary Boussinesq equation. Using this, the N-soliton solution is expressed as a finite sum of Wronskian type determinants. Analytic verification made for the two-soliton solution shows that a number of Wronskian identities are needed for this purpose. The reason for this behaviour is examined.

...water wave equations, the basic concept of Hirota's $pq = c$ reduction of the first **modified KP hierarchy** is **outlined**. The Classical Boussinesq equations are **shown** as the $pq = 0$ reduction of the same hierarchy. The solution of the hierarchy is...

18/5,K/11 (Item 1 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2007 Institution of Electrical Engineers. All rts. reserv.

07760628 INSPEC Abstract Number: B2000-12-8110D-015, C2000-12-7410B-095

Title: An information system for development planning of power distribution network

Author(s): Yang Li-xi; Chen Gen-yong; Lou He-gong; Huang Xun-cheng; Jia Zhi-jie; Cheng Jie

Author Affiliation: Zhengzhou Univ. of Technol., China

Journal: Electric Power Automation Equipment vol.20, no.3 p.43-4

Publisher: Editorial Office of Electrical Power Automation Equipment,

Publication Date: June 2000 Country of Publication: China

CODEN: DZSHFK ISSN: 1006-6047

SICI: 1006-6047(200006)20:3L:43:ISDP;1-X

Material Identity Number: O990-2000-003

Language: Chinese Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: The object oriented visual programming technique and database technique are used in the system to correlate the space data to the attributive data of load, power distribution network, geography, meteorology and economic development plan within 5 to 10 years based on the geographic **graphs** of the planned area. The system has the functions of **hierarchical** processing, information query, **graphic** analysis, easy **revision** and expansion. It provides the full and accurate data not only for power distribution network planning and trundling revision to improve the planning speed and quality, which is the basis of whole electric power system planning, but also for management departments at various levels in making decision. (4 Refs)

Subfile: B C

Descriptors: decision support systems; geographic information systems; information systems; multimedia databases; object-oriented databases; power distribution planning; query processing

Identifiers: power distribution network planning; information system; object oriented visual programming technique; database technique; space data; electric load; geography; meteorology information; economic development plan; geographic graphs; hierarchical processing functions; information query function; graphic analysis function; trundling revision; decision making

Class Codes: B8110D (Power system planning and layout); B8120J (Distribution networks); C7410B (Power engineering computing); C6160M (Multimedia databases); C7102 (Decision support systems); C7840 (Geography and cartography computing); C6160J (Object-oriented databases)

Copyright 2000, IEE

...Abstract: geography, meteorology and economic development plan within 5 to 10 years based on the geographic **graphs** of the planned area. The system has the functions of **hierarchical** processing, information query, **graphic** analysis, easy **revision** and expansion. It provides the full and accurate data not only for power distribution network...

18/5,K/12 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2007 Institution of Electrical Engineers. All rts. reserv.

07733698 INSPEC Abstract Number: C2000-11-4250-002

Title: Making database schema hierarchical for visual access to databases

Author(s): Ping-Kuen Chen; Gwo-Dong Chen

Author Affiliation: Dept. of Comput. Sci. & Inf. Eng., Nat. Central Univ., Chung-Li, Taiwan

Journal: Knowledge and Information Systems vol.1, no.2 p.193-227

Publisher: Springer-Verlag,

Publication Date: May 1999 Country of Publication: UK

CODEN: KISNCR ISSN: 0219-1377

SICI: 0219-1377(199905)1:2L.193:MDSH;1-F

Material Identity Number: P742-2000-004

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

Abstract: Making the database schema hierarchical can help a casual user retrieve information from a complex database. The hierarchical database schema provides further insight into database content and focuses on meaningful data by a top-down method. The user can proceed with a hierarchical visual query, which ultimately simplifies the query, reduces the syntax error rate and conserves the query time. In this paper, we present a **hierarchical graph** which **makes** the database **schema hierarchical**, naturally integrates the browsing and querying and, consequently, allows the user to proceed with an incremental query on the hierarchical database schema. Also proven herein are the existence, uniformity, and consistency of the hierarchical graph to verify that the graph can be used to query the database. This paper also discusses the semantics of high-level nodes and conducts an experiment to evaluate users' performance. Finally, we describe how one can use the hierarchical **graph** to unify the tasks of **making** the **schema hierarchical**, creating concept **hierarchies**, and integrating the databases. (40 Refs)

Subfile: C

Descriptors: database theory; visual databases

Identifiers: database schema; hierarchical database schema; database content; meaningful data; top-down method; hierarchical graph; hierarchical database; visual access

Class Codes: C4250 (Database theory); C6160S (Spatial and pictorial databases)

Copyright 2000, IEE

...Abstract: the syntax error rate and conserves the query time. In this paper, we present a **hierarchical graph** which **makes** the database **schema hierarchical**, naturally integrates the browsing and querying and, consequently, allows the user to proceed with an...

... an experiment to evaluate users' performance. Finally, we describe how one can use the hierarchical **graph** to unify the tasks of **making** the **schema hierarchical**, creating concept **hierarchies**, and integrating the databases.

18/5,K/13 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2007 Institution of Electrical Engineers. All rts. reserv.

06998684 INSPEC Abstract Number: C9809-6115-028

Title: MOBY/PLC-a design tool for hierarchical real-time automata

Author(s): Tapken, J.

Author Affiliation: Oldenburg Univ., Germany

Conference Title: Fundamental Approaches to Software Engineering. First

International Conference, FASE'98, Held as Part of the Joint European Conferences on Theory and Practice of Software, ETAPS'98 Proceedings p. 326-9

Editor(s): Astesiano, E.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 1998 Country of Publication: Germany xii+329 pp.

ISBN: 3 540 64303 6 Material Identity Number: XX98-00799

Conference Title: Fundamental Approaches to Software Engineering. First International Conference, FASE'98 Held as Part of the Joint European Conferences on Theory and Practice of Software, ETAPS'98 Proceedings

Conference Date: 28 March-4 April 1998 Conference Location: Lisbon, Portugal

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: MOBY/PLC is a graphical design tool for PLC-Automata, a special class of hierarchical real-time automata suitable for the description of distributed real-time systems. Besides the use of the modelling language and some features of MOBY/PLC, such as several validation methods and code generation, the implementation based on the C++ class library MCL is sketched. MCL allows the rapid development of **hierarchical editors** for different **graphical** formalisms by providing a modular hierarchical **graph** editor. (7 Refs)

Subfile: C

Descriptors: distributed processing; formal specification; programmable controllers; software libraries; software tools

Identifiers: MOBY/PLC; design tool; hierarchical real-time automata; graphical design tool; PLC-Automata; distributed real-time systems; modelling language; validation methods; code generation; C++ class library; MCL; hierarchical editors; graphical formalisms; modular hierarchical graph editor; formal description technique

Class Codes: C6115 (Programming support); C6150N (Distributed systems software); C6110F (Formal methods); C3220B (Programmable controllers)

Copyright 1998, IEE

...Abstract: based on the C++ class library MCL is sketched. MCL allows the rapid development of **hierarchical editors** for different **graphical** formalisms by providing a modular hierarchical **graph** editor.

18/5,K/14 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2007 Institution of Electrical Engineers. All rts. reserv.

06647301 INSPEC Abstract Number: A9717-0340K-009

Title: Canonical Miura maps between the modified KP and KP hierarchies

Author(s): Jiin-Chang Shaw; Ming-Hsien Tu

Author Affiliation: Dept. of Appl. Math., Nat. Chiao Tung Univ., Hsinchu, Taiwan

Journal: Journal of Physics A (Mathematical and General) vol.30, no.13 p.4825-33

Publisher: IOP Publishing,

Publication Date: 7 July 1997 Country of Publication: UK

CODEN: JPHAC5 ISSN: 0305-4470

SICI: 0305-4470(19970707)30:13L.4825:CMMB;1-6

Material Identity Number: J044-97013

U.S. Copyright Clearance Center Code: 0305-4470/97/134825+09\$19.50

Document Number: S0305-4470(97)81470-9

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

Abstract: We investigate the Hamiltonian nature of two Miura **maps** between the **modified** KP and KP **hierarchies**. We **show** that they are

canonical, in the sense that the bi-Hamiltonian structure of the modified KP hierarchy is mapped to the bi-Hamiltonian structure of the KP hierarchy. (18 Refs)

Subfile: A

Descriptors: wave equations

Identifiers: KP hierarchies; modified KP hierarchies; canonical Miura maps; Hamiltonian nature; bi-Hamiltonian structure

Class Codes: A0340K (Waves and wave propagation: general mathematical aspects)

Copyright 1997, IEE

Abstract: We investigate the Hamiltonian nature of two Miura **maps** between the **modified** KP and KP **hierarchies**. We **show** that they are canonical, in the sense that the bi-Hamiltonian structure of the modified ...

18/5,K/15 (Item 5 from file: 2)

DIALOG(R) File 2:INSPEC

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05553402 INSPEC Abstract Number: C9401-5260-037

Title: An acoustical signal recognizer implemented on a novel interactive object-oriented neural network simulator

Author(s): Leber, J.-F.; Moschytz, G.S.

Author Affiliation: Inst. for Signal & Inf. Process., Swiss Federal Inst. of Technol., Zurich, Switzerland

Conference Title: Artificial Neural Networks, 2. Proceedings of the 1992 International Conference (ICANN-92) p.1291-4 vol.2

Editor(s): Aleksander, I.

Publisher: Elsevier, Amsterdam, Netherlands

Publication Date: 1992 Country of Publication: Netherlands 2 vol. (xviii+xxx+1700) pp.

ISBN: 0 444 89488 8

Conference Sponsor: UK DTI; Eur. Commission

Conference Date: 4-7 Sept. 1992 Conference Location: Brighton, UK

Language: English Document Type: Conference Paper (PA)

Treatment: Applications (A); Practical (P)

Abstract: The Acoustical Signal Recognizer presented consists of an audio interface, a filter bank, a topology-preserving feature map preprocessor, a time-to-space mapper, and a Masking Field classifier. Besides featuring an unusual architecture (in particular the way to deal with time-dependent patterns), its implementation illustrates a novel Architecture Neural Network (ANN) simulator. The object-oriented design with its layer-based inheritance **hierarchy** and separate **graphical** user **interface** makes this simulator 'open' (transparent and flexible), and thus well suited for large-scale ANN investigations. (4 Refs)

Subfile: C

Descriptors: digital simulation; neural nets; object-oriented methods; pattern recognition; signal processing

Identifiers: acoustical signal recognizer; object-oriented neural network simulator; audio interface; filter bank; topology-preserving feature map; object-oriented design; layer-based inheritance hierarchy; graphical user interface

Class Codes: C5260 (Digital signal processing); C5290 (Neural computing techniques)

...Abstract: novel Architecture Neural Network (ANN) simulator. The object-oriented design with its layer-based inheritance **hierarchy** and separate **graphical** user **interface** makes this simulator 'open' (transparent and flexible), and thus well suited for large-scale ANN

investigations.

18/5,K/16 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2007 Institution of Electrical Engineers. All rts. reserv.

05269296 INSPEC Abstract Number: C9212-6180G-008

Title: A 2-d graphics system for multi-user interactive graphics based on objects and constraints

Author(s): Hill, R.D.

Author Affiliation: Bellcore, Morristown, NJ, USA

Conference Title: Advances in Object-Oriented Graphics I p.67-91

Editor(s): Blake, E.H.; Wisskirchen, P.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 1991 Country of Publication: West Germany x+218 pp.

ISBN: 3 540 53480 6

Conference Date: 6-8 June 1990 Conference Location: Konigswinter, Germany

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: The MEL project is developing an object-based tool for the rapid development of graphical direct manipulation user interfaces. The author emphasizes interfaces to be used by multiple people from multiple workstations simultaneously. The specific requirements that multi-user interfaces place on the graphics system are discussed, as are the solutions developed. In particular, the MEL graphics system is based on a **hierarchical display** structure of **graphical** objects and **makes** extensive use of constraints to maintain graphical consistency and link together various parts of a complete multi-user graphical program. (21 Refs)

Subfile: C

Descriptors: computer graphics; graphical user interfaces; groupware; object-oriented programming

Identifiers: 2D graphics; multi-user interactive graphics; objects; constraints; MEL project; object-based tool; rapid development; graphical direct manipulation user interfaces; MEL graphics system; hierarchical display structure; graphical objects

Class Codes: C6180G (Graphical user interfaces); C6110J (Object-oriented programming); C6130B (Graphics techniques)

...Abstract: as are the solutions developed. In particular, the MEL graphics system is based on a **hierarchical display** structure of **graphical** objects and **makes** extensive use of constraints to maintain graphical consistency and link together various parts of a...

18/5,K/17 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

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05187491 INSPEC Abstract Number: C9208-6160J-014

Title: Schema management in an object-oriented database system

Author(s): Yoshitaka, A.; Hirakawa, M.; Ichikawa, T.

Author Affiliation: Fac. of Eng., Hiroshima Univ., Japan

Journal: IFIP Transactions A (Computer Science and Technology) vol.A-7 p.425-39

Publication Date: 1992 Country of Publication: Netherlands

CODEN: ITATEC ISSN: 0926-5473

Conference Title: Visual Database Systems, II. IFIP TC2/WG2.6 Second Working Conference

Conference Sponsor: IFIP; Hewlett-Packard; Hungarian Acad. Sci.; John von Newmann Comput. Soc

Conference Date: 30 Sept.-3 Oct. 1991 Conference Location: Budapest, Hungary

Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Practical (P)

Abstract: The paper describes schema management in an object-oriented database system and its implementation issues. The schema management discussed is based on the object oriented data model MORE. In MORE, a database schema consists of a class hierarchy and aggregation **hierarchies**. To **make** definition of a **schema** easier, the paper proposes a **graphical schema** definition and **modification** by manipulating **graphs** which represent a class hierarchy and an aggregation hierarchy. In the proposed system, method descriptions are modified by the system in accordance with the modification of the hierarchies. Also, the system modifies an existing database to suit the new schema. (13 Refs)

Subfile: C

Descriptors: computer graphics; object-oriented databases

Identifiers: object-oriented database system; schema management; object oriented data model; MORE; database schema; class hierarchy; aggregation hierarchies; graphical schema; method descriptions

Class Codes: C6160J (Object-oriented databases); C6130B (Graphics techniques); C6160S (Spatial and pictorial databases)

...Abstract: data model MORE. In MORE, a database schema consists of a class hierarchy and aggregation **hierarchies**. To **make** definition of a **schema** easier, the paper proposes a **graphical schema** definition and **modification** by manipulating **graphs** which represent a class hierarchy and an aggregation hierarchy. In the proposed system, method descriptions ...

18/5,K/18 (Item 8 from file: 2)

DIALOG(R)File 2:INSPEC

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05177465 INSPEC Abstract Number: C9208-6115-017

Title: Tools for process algebras

Author(s): Madelaine, E.; Vergamini, D.

Author Affiliation: INRIA, Valbonne, France

Journal: IFIP Transactions C (Communication Systems) vol.C-2 p. 463-6

Publication Date: 1992 Country of Publication: Netherlands

ISSN: 0926-549X

Conference Title: Fourth International Conference on Formal Description Techniques for Distributed Systems and Communications Protocols, FORTE '91. IFIP TC6/WG6.1

Conference Sponsor: OTC; Telecom Australia; et al

Conference Date: 19-22 Nov. 1991 Conference Location: Sydney, NSW, Australia

Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Practical (P)

Abstract: The notion of process algebra was first introduced by Milner, and is now widely used as a framework for modeling parallelism and concurrency, and as a foundation for verification tools in this area. The authors present a set of tools including: Ecrins, for the definition of process algebra using structural operational semantics, the computation of the behaviours of open terms, and the proof of algebraic laws, making a link between operational and algebraic semantics; Auto, for automata

construction from finite term of the Meije algebra, and for analysis of automata by reduction and abstraction; Mauto that generalises AUTO for various process algebras, for example leading to an integration in the Lotosphere tool environment; and finally AutoGraph, a **graphical editor** for **hierarchical** networks of automata, for creating Auto inputs, and for **displaying** resulting automata. (8 Refs)

Subfile: C

Descriptors: automata theory; concurrency control; programming environments; software tools

Identifiers: process algebras; modeling parallelism; concurrency; verification tools; Ecrins; structural operational semantics; Auto; automata construction; Meije algebra; reduction; abstraction; Mauto; AutoGraph; graphical editor; hierarchical networks

Class Codes: C6115 (Programming support); C4220 (Automata theory)

...Abstract: for example leading to an integration in the Lotosphere tool environment; and finally AutoGraph, a **graphical editor** for **hierarchical** networks of automata, for creating Auto inputs, and for **displaying** resulting automata.

18/5,K/19 (Item 9 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2007 Institution of Electrical Engineers. All rts. reserv.

05003113 INSPEC Abstract Number: B91068285, C91070553

Title: Logic simulators: essential design tools to reduce 'time to market'

Author(s): Hecker, B.

Journal: Elektronik vol.40, no.18 p.82-6

Publication Date: 3 Sept. 1991 Country of Publication: West Germany

CODEN: EKRKAR ISSN: 0013-5658

Language: German Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Describes logic simulation software CAE tools used in TTL and CMOS circuit design. Specifies and describes the RapidSIM package with setup manager, **hierarchy** manager, **graphics editor**, stimulus generator and control language, **display** analyser and the logic simulator itself. Colour VDU **screens** are reproduced, timing analysis is studied and reference is made to mixed mode simulation, based on the VALID standard library. (0 Refs)

Subfile: B C

Descriptors: circuit analysis computing; CMOS integrated circuits; integrated logic circuits; logic CAD; transistor-transistor logic

Identifiers: logic simulation software; CAE tools; TTL; CMOS circuit design; RapidSIM package; setup manager; hierarchy manager; graphics editor; stimulus generator; control language; display analyser; timing analysis; mixed mode simulation; VALID standard library

Class Codes: B1265B (Logic circuits); B1130B (Computer-aided circuit analysis and design); C5210B (Computer-aided logic design); C7410D (Electronic engineering)

...Abstract: in TTL and CMOS circuit design. Specifies and describes the RapidSIM package with setup manager, **hierarchy** manager, **graphics editor**, stimulus generator and control language, **display** analyser and the logic simulator itself. Colour VDU **screens** are reproduced, timing analysis is studied and reference is made to mixed mode simulation, based ...

18/5,K/20 (Item 10 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2007 Institution of Electrical Engineers. All rts. reserv.

04642255 INSPEC Abstract Number: A90078587

Title: The quasiclassical limit of the modified KP hierarchy

Author(s): Kupershmidt, B.A.

Author Affiliation: Tennessee Univ., Space Inst., Tullahoma, TN, USA

Journal: Journal of Physics A (Mathematical and General) vol.23, no.6
p.871-86

Publication Date: 21 March 1990 Country of Publication: UK

CODEN: JPHAC5 ISSN: 0305-4470

U.S. Copyright Clearance Center Code: 0305-4470/90/060871+16\$03.50

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

Abstract: In the quasiclassical limit, the MKP **hierarchy** and its Lax **representation** turn into a **modified Benney hierarchy** and its Poisson representation. A Miura map is constructed, and **shown** to be canonical, from the modified Benney hierarchy into the unmodified one. The modified hierarchy is given both hydrodynamical and kinetic representations, and the Miura map is given a kinetic form. Explicit combinatorial formulae are proved for the infinite number of conserved densities of the modified Benney hierarchy. (13 Refs)

Subfile: A

Descriptors: transforms; wave equations

Identifiers: wave equations; quasiclassical limit; modified KP hierarchy; Lax representation; Benney hierarchy; Poisson representation; Miura map; kinetic form; combinatorial formulae; infinite number; conserved densities

Class Codes: A0340K (Waves and wave propagation: general mathematical aspects); A0230 (Function theory, analysis)

Abstract: In the quasiclassical limit, the MKP **hierarchy** and its Lax **representation** turn into a **modified Benney hierarchy** and its Poisson representation. A Miura map is constructed, and **shown** to be canonical, from the modified Benney hierarchy into the unmodified one. The modified hierarchy...

18/5,K/21 (Item 11 from file: 2)

DIALOG(R)File 2:INSPEC

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03990245 INSPEC Abstract Number: B87066048

Title: Application oriented components always important ICs to measure. II

Author(s): van Nunen, G.

Author Affiliation: Arcobel Mikro-Electronica Innovatie Centrum, Oss, Netherlands

Journal: PT/Elektrotechniek Elektronica vol.42, no.5 p.50-5

Publication Date: May 1987 Country of Publication: Netherlands

CODEN: PEELDD ISSN: 0032-4086

Language: Dutch Document Type: Journal Paper (JP)

Treatment: Practical (P); Product Review (R)

Abstract: Compacted and structured types of logic arrays of integrated circuits are described. These use the standard cell technology. The design **hierarchy** is **outlined**, **showing** how to **make** structured arrays with RAM, ROM and calculation functions. Details are given of the LSA 2000 family of structured arrays, together with a simulation control language. Notes are made of simulation and test procedures. Failure sometimes occurs when critical pulse signals arrive in the wrong sequence. The CAD technique may be used to develop the best layout. (0 Refs)

Subfile: B

Descriptors: cellular arrays; circuit layout CAD; integrated logic circuits; VLSI

Identifiers: gate arrays; ASIC; application specific integrated circuits; layout CAD; standard cell technology; design hierarchy; structured arrays; LSA 2000 family; simulation control language; test procedures

Class Codes: B1265B (Logic circuits); B2570 (Semiconductor integrated circuits)

...Abstract: logic arrays of integrated circuits are described. These use the standard cell technology. The design **hierarchy** is **outlined**, **showing** how to **make** structured arrays with RAM, ROM and calculation functions. Details are given of the LSA 2000...

18/5,K/22 (Item 12 from file: 2)

DIALOG(R)File 2:INSPEC

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03988776 INSPEC Abstract Number: C87061905

Title: Model-C: An interactive tool for dynamic system simulation

Author(s): Diehl, K.

Author Affiliation: Syst. Control Technol. Inc., Palo Alto, CA, USA

Conference Title: Tools for the Simulation Profession. Proceedings of the 1987 Conferences Tools for the Simulationist and The Simulation Profession p.74-9

Editor(s): Hawkins, R.; Klukis, K.

Publisher: SCS, San Diego, CA, USA

Publication Date: 1987 Country of Publication: USA ix+125 pp.

ISBN: 0 911801 17 0

Conference Date: 6-9 April 1987 Conference Location: Orlando, FL, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Model-C, an interactive tool for modeling and simulation of nonlinear, mixed-mode, multi-rate dynamics systems, is described. The multi- **window** Model-C environment includes a graphics-based **hierarchical block diagram editor** ; a library of predefined blocks for building dynamic systems; a run-time consistency checker that alerts the user to data entry errors; a filer for saving and restoring block diagrams; an interpretive simulator; and a run-time link to Ctrl-C, an established CAE tool for control engineers. The distinguishing features of this package are the multi-window user interface, the run-time consistency checker, and the direct link to an established analysis tool. (7 Refs)

Subfile: C

Descriptors: CAD/CAM; computer graphics; digital simulation; interactive systems

Identifiers: interactive tool; dynamic system simulation; modeling; multi-rate dynamics systems; multi-window Model-C environment; graphics-based hierarchical block diagram editor; library; predefined blocks; run-time consistency checker; data entry errors; filer; saving; restoring; interpretive simulator; run-time link; Ctrl-C; CAE tool; package

Class Codes: C6130B (Graphics techniques); C7400 (Engineering)

...Abstract: modeling and simulation of nonlinear, mixed-mode, multi-rate dynamics systems, is described. The multi- **window** Model-C environment includes a graphics-based **hierarchical block diagram editor** ; a library of predefined blocks for building dynamic systems; a run-time consistency checker that...

18/5,K/23 (Item 13 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2007 Institution of Electrical Engineers. All rts. reserv.

03978950 INSPEC Abstract Number: C87057295

Title: A multilevel perception approach to reading cursive script

Author(s): Srihari, S.N.; Bozinovic, R.M.

Author Affiliation: Dept. of Comput. Sci., State Univ. of New York, Buffalo, NY, USA

Journal: Artificial Intelligence vol.33, no.2 p.217-55

Publication Date: Oct. 1987 Country of Publication: Netherlands

CODEN: AINTBB ISSN: 0004-3702

U.S. Copyright Clearance Center Code: 0004-3702/87/\$3.50

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

Abstract: Reading cursive script is the problem of transforming language from the iconic form of cursive human handwriting to an ordinal representation. The problem involves elements of visual perception at one level of processing and those of language perception and understanding at a higher level. The problem is approached as one of multilevel perception in which a cursive script word **image** is **transformed** through a **representational hierarchy**. The levels are based on descriptions that use points, contours, features, letters, and words. Global control is hierarchical until an intermediate level after which it is heterarchical. A feature representation is generated bottom-up from the image using statistical dependencies between letters and features. Ratings for partially formed words are computed using a stack and a lexicon represented as a trie, i.e. a tree having at each node a letter and a Boolean flag. Several heuristics for low- and intermediate-level processing for cursive script are introduced, including: reference-line finding using projection profile analysis, letter segmentation based on local lower contour minima and areas with low vertical profiles, simultaneous encoding of contours and their topological relationships, extracting features (e.g. middle loop, upper-zone stroke), and finding shape-oriented events. Two modes of learning are defined: initial training with user feedback and unsupervised adaptation to the writer. Experiments demonstrating the promise of the approach are described. (45 Refs)

Subfile: C

Descriptors: character recognition; hierarchical systems; statistical analysis; trees (mathematics)

Identifiers: cursive script reading; language transformation; heterarchical global control; feature extraction; multilevel perception approach; iconic form; human handwriting; visual perception; language perception; representational hierarchy; points; contours; features; letters; words; feature representation; statistical dependencies; lexicon; trie; tree; Boolean flag; heuristics; reference-line finding; projection profile analysis; letter segmentation; local lower contour minima; simultaneous encoding; contours; topological relationships; shape-oriented events; initial training; user feedback; unsupervised adaptation

Class Codes: C1140Z (Other and miscellaneous); C1160 (Combinatorial mathematics); C1250B (Character recognition)

...Abstract: The problem is approached as one of multilevel perception in which a cursive script word **image** is **transformed** through a **representational hierarchy**. The levels are based on descriptions that use points, contours, features, letters, and words. Global...

18/5,K/24 (Item 14 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2007 Institution of Electrical Engineers. All rts. reserv.

03427535 INSPEC Abstract Number: B85025193, C85017906

Title: Pattern classification of line drawn three-dimensional objects

Author(s): Ho Soo Lee

Author Affiliation: Northwestern Univ., Evanston, IL, USA

Conference Title: Robotics Research. The Next Five Years and Beyond.

First World Conference on Robotics Research p.MS84-505/1-13

Publisher: Robotics Int. SME, Dearborn, MI, USA

Publication Date: 1984 Country of Publication: USA 496 pp.

ISBN: 0 87263 152 4

Conference Sponsor: SME

Conference Date: 14-16 Aug. 1984 Conference Location: Bethlehem, PA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Theoretical (T)

Abstract: A technique for recognizing line drawings of individual three-dimensional objects consisting of flat surfaces is presented. For efficient recognition process, line **drawing** structures are **transformed** to the **hierarchical** directed **graphs** (digraphs). The hierarchical digraphs have two characteristics such as: the hierarchy is assigned to each vertex based on the corresponding vertex type, and a set of planes are associated to a vertex. By means of the labeling rules, which have been heuristically established using the constraint propagation, all the vertices and associated planes of a candidate object will be labeled by referring to the prototype object. (6 Refs)

Subfile: B C

Descriptors: directed graphs; pattern recognition

Identifiers: pattern classification; line drawn three-dimensional objects; flat surfaces; hierarchical directed graphs; digraphs; labeling rules

Class Codes: B0260 (Optimisation techniques); B6140C (Optical information processing); C1160 (Combinatorial mathematics); C1250 (Pattern recognition)

...Abstract: individual three-dimensional objects consisting of flat surfaces is presented. For efficient recognition process, line **drawing** structures are **transformed** to the **hierarchical** directed **graphs** (digraphs). The hierarchical digraphs have two characteristics such as: the hierarchy is assigned to each...

18/5,K/25 (Item 15 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2007 Institution of Electrical Engineers. All rts. reserv.

03272066 INSPEC Abstract Number: B84035586, C84031611

Title: An integrated aid for top-down electrical design

Author(s): Rubin, S.M.

Author Affiliation: Fairchild Lab. for Artificial Intelligence Res., Palo Alto, CA, USA

Conference Title: IEEE International Conference on Computer-Aided Design. ICCAD-83. Digest of Technical Papers p.111-12

Publisher: IEEE, New York, NY, USA

Publication Date: 1983 Country of Publication: USA xii+259 pp.

ISBN: 0 8186 0518 9

Conference Sponsor: IEEE

Conference Date: 12-15 Sept. 1983 Conference Location: Santa Clara, CA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: The author describes an electrical design aid that has four useful features: multiple technologies, multiple analysis aids, a powerful user interface, and top-down design capability. The system, called

Electric, currently handles four different technologies ranging from MOS to bipolar to printed circuit. It also includes four analysis aids: simulation, design-rule checking, textual input/output, and a **graphical user interface**. The system implements a model of circuit **representation** and **change** that allows **hierarchical** top-down design. This is done by propagating graphical constraints from the bottom up so that the circuit is always properly connected. (3 Refs)

Subfile: B C

Descriptors: bipolar integrated circuits; circuit CAD; field effect integrated circuits; printed circuits

Identifiers: integrated aid; top-down electrical design; multiple technologies; multiple analysis aids; powerful user interface; Electric; MOS; bipolar; printed circuit; simulation; design-rule checking; textual input/output; graphical user interface; graphical constraints

Class Codes: B1130B (Computer-aided circuit analysis and design); B2210B (Printed circuit layout and design); B2570 (Semiconductor integrated circuits); C7410D (Electronic engineering)

...Abstract: It also includes four analysis aids: simulation, design-rule checking, textual input/output, and a **graphical user interface**. The system implements a model of circuit **representation** and **change** that allows **hierarchical** top-down design. This is done by propagating graphical constraints from the bottom up so...

18/5,K/26 (Item 1 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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04766787 JICST ACCESSION NUMBER: 93A0467704 FILE SEGMENT: JICST-E

Efficient Image Hierarchical Representation **by Wavelet** Transform .

Denshi Joho Tsushin Gakkai Taikai Koen Ronbunshu(Proceedings of the IEICE General Conference (Institute of Electronics, Information and Communication Engineers), 1993, VOL.1993,NO.Shunki Pt 7, PAGE.7.27, FIG.2, REF.2

JOURNAL NUMBER: G0508AEP

UNIVERSAL DECIMAL CLASSIFICATION: 681.3:621.397.3 621.397+654.197

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Conference Proceeding

ARTICLE TYPE: Short Communication

MEDIA TYPE: Printed Publication

DESCRIPTORS: image analysis; image compression; picture signal; resolving power; signal processing; hierarchical structure; wavelet transform; image coding; zero crossing; highpass filter; low pass filter; band pass filter; channel

IDENTIFIERS: image recognition

BROADER DESCRIPTORS: image processing; information processing; treatment; analysis(separation); analysis; signal; performance; structure; mathematical transformation; mapping(mathematics); transformation and conversion; coding(signal); modification; cross; signal phenomenon; phenomenon; filter(signal); filter; route

CLASSIFICATION CODE(S): JE04010I; ND12031N

Efficient Image Hierarchical Representation **by Wavelet** Transform .

18/5,K/27 (Item 2 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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04690914 JICST ACCESSION NUMBER: 00A1007115 FILE SEGMENT: JICST-E
**Japanese Sentence Generation from Dynamic Representation based upon
Hierarchical Network.**

SEKI YOHEI (1); HARADA KEN'ICHI (1)

(1) Keio Univ., Fac. of Sci. and Technol.

Joho Shori Gakkai Kenkyu Hokoku, 2000, VOL.2000,NO.86(NL-139), PAGE.49-54,
REF.6

JOURNAL NUMBER: Z0031BAO ISSN NO: 0919-6072

UNIVERSAL DECIMAL CLASSIFICATION: 681.3:80 002.5:025

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

ABSTRACT: This paper proposes new sentence generation technique which
utilizes lexical selection. The proposal is based upon semantic network
representations, but we **make** them **hierarchical** by means of
perspectives. Perspectives are the **view** points of several objects and
that implements salient values to the subset of attributes. If we do
so, we can produce coherent text because of contextual consistency
which shares same perspectives, that is, same attributes which have
equal salient co-values. And again, we can get concise text description
because of the compiled lexical selection. In result, we can utilize
summary of the enormous documentations. (author abst.)

DESCRIPTORS: automatic language processing; vocabulary research; Japanese;
semantics; hierarchical structure; abstracting; deep
structure(semantics); semantic network; vocabulary; semantic analysis

IDENTIFIERS: summary

BROADER DESCRIPTORS: computer application; utilization; information
processing; treatment; investigation; oriental language; natural
language; language; linguistics; cultural science; science; structure;
work and operation; information arrangement technique; documentation;
information management; management

CLASSIFICATION CODE(S): JE06000L; AC05010A

...ABSTRACT: new sentence generation technique which utilizes lexical
selection. The proposal is based upon semantic network **representations**
, but we **make** them **hierarchical** by means of perspectives.
Perspectives are the **view** points of several objects and that
implements salient values to the subset of attributes. If...

18/5,K/28 (Item 3 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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04388359 JICST ACCESSION NUMBER: 99A1030197 FILE SEGMENT: JICST-E

Software Design Editor using integration-expansion technique.

WAKASA WATARU (1); HORII KEN (2); KOTANI KENTARO (2); KITAMURA YUTAKA (3)

(1) Kansai Univ., Grad. Sch.; (2) Kansai Univ., Fac. of Eng.; (3)

Kansaidai gaku Sogojohogakubu

Hyumanv Intafesuv Shinpojiumu Ronbunshu(Human Interface), 1999, VOL.1999,
PAGE.771-774, FIG.6, TBL.2, REF.4

JOURNAL NUMBER: Z0307BAK ISSN NO: 1345-0794

UNIVERSAL DECIMAL CLASSIFICATION: 681.3.02.001 681.51:007.51

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Conference Proceeding

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

ABSTRACT: For our Schema-based softwate design, the Software Design
Editor(abbreviated as SDE hereafter) was developed to **edit** the

hierarchical diagram of the elements, but was not powerful enough to deal with large-scale applications whose number of the elements exceeds several hundreds. The original SDE was incapable of **displaying** the hierarchical diagram of the whole elements legibly in an application. In this paper, we introduce the integration-expansion technique, which employs element matrices to explicitly register the relationship among the elements. The technique is incorporated into the original SDE to solve the legibility problem, and the improved SDE can handle the **editing of hierarchical diagrams** of elements in a large-scale application. (author abst.)

DESCRIPTORS: software design; user interface; editor; large scale system; hierarchical structure; algorithm; layout; support program; matrix method

IDENTIFIERS: schema

BROADER DESCRIPTORS: design; interface; utility program; computer program; software; system; structure; prediction technique

CLASSIFICATION CODE(S): JD02010R; IB03000G

...ABSTRACT: Schema-based software design, the Software Design Editor(abbreviated as SDE hereafter) was developed to **edit** the **hierarchical diagram** of the elements, but was not powerful enough to deal with large-scale applications whose number of the elements exceeds several hundreds. The original SDE was incapable of **displaying** the hierarchical diagram of the whole elements legibly in an application. In this paper, we...

...the original SDE to solve the legibility problem, and the improved SDE can handle the **editing of hierarchical diagrams** of elements in a large-scale application. (author abst.)

18/5,K/29 (Item 4 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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01223966 JICST ACCESSION NUMBER: 91A0332483 FILE SEGMENT: JICST-E

Schema modification support in an object-oriented database system.

YOSHITAKA ATSUO (1); HIRAKAWA MASAHITO (1); TANAKA MINORU (1); ICHIKAWA TADAO (1)

(1) Hiroshima Univ., Faculty of Engineering

Joho Shori Gakkai Kenkyu Hokoku, 1991, VOL.91,NO.22(DBS-82),

PAGE.82.7.1-82.7.10, FIG.6, REF.8

JOURNAL NUMBER: Z0031BAO ISSN NO: 0919-6072

UNIVERSAL DECIMAL CLASSIFICATION: 681.3:061.68

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

ABSTRACT: Schema modification and corresponding database modification support in an object-oriented database system are described. Here we describe them based on the MORE object-oriented data model which has been proposed in our laboratory. Database schema consists of two hierarchies: the one is a class hierarchy which represents the relationships among classes, and another is an aggregation hierarchy which represents the structure of objects. This paper classifies the modification for the above-mentioned **hierarchies** and describes the **modification** effect on **schema** description including method specification. A user interface which can **modify** a **schema** on a **screen** in terms of a graph representing hierarchies is also proposed. (author abst.)

DESCRIPTORS: DBMS; object oriented programming; conceptual schema; data structure; abstract data type; data model; data update; attribute; system interface; screen; visual sense; menu system
BROADER DESCRIPTORS: computer application system; system; computer programming; database schema; structure; data type; mold and pattern; model; renewal; property; interface; sense; method
CLASSIFICATION CODE(S): JD03030U

...ABSTRACT: which represents the structure of objects. This paper classifies the modification for the above-mentioned **hierarchies** and describes the **modification** effect on **schema** description including method specification. A user interface which can **modify** a **schema** on a **screen** in terms of a graph representing hierarchies is also proposed. (author abst.)

18/5,K/30 (Item 5 from file: 94)
DIALOG(R)File 94:JICST-EPlus
(c)2007 Japan Science and Tech Corp(JST). All rts. reserv.

01116301 JICST ACCESSION NUMBER: 90A0858164 FILE SEGMENT: JICST-E
A software development tool for net analysis and design.
KOMIYA TAKASHI (1); HAMAGUCHI YOSHITOMO (1); KUMAGAI SADATOSHI (1); KODAMA SHINZO (1)

(1) Osaka Univ., Faculty of Engineering
Shisutemu Seigyo Joho Gakkai Kenkyu Happyo Koenkai Koen Ronbunshu(
Proceedings of the Annual Conference of the Institute of Systems,
Control and Information Engineers), 1989, VOL.33rd, PAGE.349-350,
FIG.3, REF.2

JOURNAL NUMBER: X0014ABF
UNIVERSAL DECIMAL CLASSIFICATION: 681.3.02.001
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Conference Proceeding
ARTICLE TYPE: Short Communication
MEDIA TYPE: Printed Publication

ABSTRACT: PCSS(Petri net-based Concurrent System Simulator)is a simulator and an analyzer for design and analysis of concurrent systems modeled by petri Nets. Main feature of PCSS exists in using a Petri net as the main vehicle for representation and analysis of concurrent systems so that hieraechical simulation and analysis can easily be done through **graphic** 1/0 **interface** . PCSS is equipped with various functions such as **graphic edit** , simulation, **hierarchical representation** and verification. Liveness and safeness are verified through invariant analysis. (author abst.)

DESCRIPTORS: simulation; simulator; Petri net; process analysis(control); token; graphic display; program verification; time dependence; modeling ; editor; software design; computer system development

BROADER DESCRIPTORS: analysis; display device; equipment; verification; dependence; operation(processing); utility program; computer program; software; design; development

CLASSIFICATION CODE(S): JD02010R

...ABSTRACT: analysis of concurrent systems so that hieraechical simulation and analysis can easily be done through **graphic** 1/0 **interface** . PCSS is equipped with various functions such as **graphic edit** , simulation, **hierarchical representation** and verification. Liveness and safeness are verified through invariant analysis. (author abst.)

18/5,K/31 (Item 1 from file: 6)

DIALOG(R) File 6:NTIS
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1678750 NTIS Accession Number: TIB/B92-01938

Implementing GEO++ in Smalltalk-80

Wisskirchen, P.

Gesellschaft fuer Mathematik und Datenverarbeitung m.b.H. Bonn, St.
Augustin (Germany, F.R.).

Corp. Source Codes: 085554000; 9200446

Oct 91 40p

Languages: English

Journal Announcement: GRAI9223

Arbeitspapiere der GMD, no. 584.

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC E09

Country of Publication: Germany, Federal Republic of

The graphics system GEO++ was introduced as a system to build up, **display**, and **modify graphics object hierarchies**. We will describe our first experiences in integrating GEO++ into the Smalltalk-80 environment. We show how GEO++ was integrated into the Smalltalk-80 window management, how an optimal use of the model-view-controller metaphor (MVC) could be achieved, and how the high level graphics functionality of GEO++ can be combined with the predefined graphics kernel already existing in the environment. In addition, it is discussed how the potential of object-oriented programming can be used to specialize and modify the behaviour of a predefined graphics application, in our case a simple graphics editor. (orig.). (Available from TIB Hannover: RN 9844(584).) (Copyright (c) 1992 by FIZ. Citation no. 92:001938.)

Descriptors: *Lisp programming language; Object-oriented programming; Graphics editor

Identifiers: *Foreign technology; *Computer graphics; *GEOTT graphics system; NTISTFFIZ

Section Headings: 62B (Computers, Control, and Information Theory--Computer Software)

The graphics system GEO++ was introduced as a system to build up, **display**, and **modify graphics object hierarchies**. We will describe our first experiences in integrating GEO++ into the Smalltalk-80 environment. We...

18/5,K/32 (Item 1 from file: 34)

DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2007 The Thomson Corp. All rts. reserv.

05954467 Genuine Article#: XK003 Number of References: 18

Title: Canonical Miura maps between the modified KP and KP hierarchies

Author(s): Shaw JC (REPRINT) ; Tu MH

Corporate Source: NATL CHIAO TUNG UNIV, DEPT APPL MATH/HSINCHU//TAIWAN/
(REPRINT); NATL TSING HUA UNIV, DEPT PHYS/HSINCHU//TAIWAN/

Journal: JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL, 1997, V30, N13 (JUL 7), P4825-4833

ISSN: 0305-4470 Publication date: 19970707

Publisher: IOP PUBLISHING LTD, DIRAC HOUSE, TEMPLE BACK, BRISTOL, ENGLAND
BS1 6BE

Language: English Document Type: ARTICLE

Geographic Location: TAIWAN

Subfile: CC PHYS--Current Contents, Physical, Chemical & Earth Sciences

Journal Subject Category: PHYSICS

Abstract: We investigate the Hamiltonian nature of two Miura **maps** between the **modified** KP and KP **hierarchies**. We **show** that they are canonical, in the sense that the bi-Hamiltonian structure of the modified KP hierarchy is mapped to the bi-Hamiltonian structure of the KP hierarchy.

Identifiers--KeyWord Plus(R): EQUATIONS; TRANSFORMATIONS; OPERATORS; FLOWS
Research Fronts: 95-0289 003 (CONSTRAINED KP HIERARCHY; SUPERSYMMETRIC 2-BOSON EQUATION; W-1+INFINITY ALGEBRA; INTEGRABLE SYSTEMS)

Cited References:

ADLER M, 1979, V50, P219, INVENT MATH
ARATYN H, 1992, V294, P167, PHYS LETT B
CHAU LL, 1992, V149, P263, COMMUN MATH PHYS
DATE E, 1983, NONLINEAR INTEGRABLE
DICKEY L, 1991, SOLITON EQUATIONS HA
GELFAND IM, 1976, V10, P59, FUNCT ANAL APPL
JIMBO M, 1983, V19, P943, PUBL RES I MATH SCI
KISO K, 1990, V83, P1108, PROG THEOR PHYS
KONOPELCHENKO BG, 1993, V29, P581, PUBL RIMS
KUPERSHMIDT BA, 1985, V99, P51, COMMUN MATH PHYS
KUPERSHMIDT BA, 1995, V167, P351, COMMUN MATH PHYS
MIURA RM, 1968, V9, P1202, J MATH PHYS
MIURA RM, 1976, V18, P1202, SIAM REV
OEVEL W, 1993, P193, APPL ANAL GEOMETRIC
OEVEL W, 1993, V157, P51, COMMUN MATH PHYS
OEVEL W, 1994, V186, P79, PHYS LETT A
OEVEL W, 1993, V195, P533, PHYSICA A
SHAW JC, 1993, V31, P709, CHINESE J PHYS

Abstract: We investigate the Hamiltonian nature of two Miura **maps** between the **modified** KP and KP **hierarchies**. We **show** that they are canonical, in the sense that the bi-Hamiltonian structure of the modified...

18/5,K/33 (Item 1 from file: 434)

DIALOG(R)File 434:SciSearch(R) Cited Ref Sci
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09485198 Genuine Article#: U5140 Number of References: 12

Title: COMPRESSING QUADTREES VIA COMMON SUBTREE MERGING

Author(s): WEBBER RE; DILLEN COURT M

Corporate Source: RUTGERS STATE UNIV, DEPT COMP SCI, BUSCH CAMPUS/NEW
BRUNSWICK//NJ/08903; UNIV MARYLAND, INST ADV COMP STUDIES/COLLEGE
PK//MD/20742

Journal: PATTERN RECOGNITION LETTERS, 1989, V9, N3, P193-200

Language: ENGLISH Document Type: ARTICLE

Geographic Location: USA

Subfile: SciSearch; Scisearch; CC ENGI--Current Contents, Engineering,
Technology & Applied Sciences

Journal Subject Category: COMPUTER APPLICATIONS & CYBERNETICS

Research Fronts: 87-5914 004 (LINEAR QUADTREE; GRAY-SCALE **IMAGES** ;
HIERARCHICAL REPRESENTATIONS)

87-0134 001 (**TRANSFORM** CODING ALGORITHM; **IMAGE** SEQUENCE
COMPRESSION; VECTOR QUANTIZATION; MOTION-COMPENSATED CODER; HYBRID DCT
TECHNIQUE)

Cited References:

FREEMAN H, 1974, V6, P57, COMPUT SURV
FREEMAN H, 1970, P241, PICTURE PROCESSING P
GARGANTINI I, 1982, V25, P905, COMMUN ACM

HUNTER GM, 1979, V1, P145, IEEE T PATTERN ANAL
KAWAGUCHI E, 1980, V2, P27, IEEE T PATTERN ANAL
KLINGER A, 1976, V5, P68, COMPUTER GRAPHICS IM
KLINGER A, 1971, P303, OPTIMIZING METHODS S
PARSONS MS, 1986, V5, P33, COMPUTER GRAPHICS FO
SAMET H, 1984, V16, P187, ACM COMPUT SURV
SAMET H, 1984, V6, P365, IEEE T PATTERN ANAL
SRIHARI SN, 1981, V13, P399, COMPUT SURV
WEBBER RE, 1983, TR1376 U MAR TECHN R

Research Fronts: 87-5914 004 (LINEAR QUADTREE; GRAY-SCALE **IMAGES** ;
HIERARCHICAL REPRESENTATIONS)
87-0134 001 (**TRANSFORM** CODING ALGORITHM; **IMAGE** SEQUENCE
COMPRESSION; VECTOR QUANTIZATION; MOTION-COMPENSATED CODER; HYBRID DCT
TECHNIQUE)

18/5,K/34 (Item 1 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management
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00779866 E94040766258

Eine Frage des Standards. GSS GKS fuer DEC Alpha AXP mit Windows NT
Laesche, U
Ematek, D
Deckblatt, v17, n4, pp52-53, 1994
Document type: journal article Language: German
Record type: Abstract
ISSN: 0933-8640

ABSTRACT:

Die Akzeptanz grafischer Standards auf Rechnern der Digital Equipment Corporation (DEC) nimmt staendig zu. Dadurch muss die Kontinuitaet der Benutzeroberflaechen von DEC (Motif fuer VAX/VMS und RISC/Ultrix, Windows NT fuer Alpha AXP) langfristig gesichert sein. Der Beitrag gibt eine Uebersicht der Grafikstandards: GKS (Graphics Kernel System) und darauf aufbauende ISO/DIN Grafiknormen; CGI (Computer **Graphics Interface**); CGM (Computer Graphics Metafile); PHIGS+ (Programmers **Hierarchical Interactive Graphics** System) und GKS93 **Revised** . Als Beispiel fuer die Einbindung der Standards in die grafischen Benutzeroberflaechen wird Ematek's Implementierung GSS (Stern)GKS fuer Alpha AXP vorgestellt (zur Integration von GKS in Fenstersysteme). Ein Standard fuer die portable Programmierung von Benutzeroberflaechen (Windowing API) wird derzeit in einer Arbeitsgruppe des IEEE entwickelt.

DESCRIPTORS: GRAPHIC DATA PROCESSING; STANDARDISATION; DATA PROCESSING EQUIPMENTS; USER INTERFACES; COMPUTER INTERFACES; INTERNATIONAL STANDARD ORGANIZATION; DIN STANDARDS; IMPLEMENTATION; WINDOW SYSTEM; PORTABILITY--SOFTWARE; COMPUTER PROGRAMMING; OPERATING SYSTEM--COMPUTERS
IDENTIFIERS: GKS--(GRAPHICS KERNEL SYSTEM); CGI--(COMPUTER GRAPHICS INTERFACE); CGM--(COMPUTER GRAPHICS METAFILE); WINDOWING API; IEEE--(INSTITUTE OF ELECTRICAL ...); Grafikstandard; grafische Benutzeroberflaeche; DEC

ABSTRACT:

...Uebersicht der Grafikstandards: GKS (Graphics Kernel System) und darauf aufbauende ISO/DIN Grafiknormen; CGI (Computer **Graphics Interface**); CGM (Computer Graphics Metafile); PHIGS+ (Programmers **Hierarchical Interactive Graphics** System) und GKS93 **Revised** . Als Beispiel fuer die Einbindung der Standards in die grafischen Benutzeroberflaechen wird

Ematek's Implementierung...

18/5,K/35 (Item 2 from file: 95)

DIALOG(R)File 95:TEME-Technology & Management
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00647417 E93014217080

Schema management in an object-oriented database system

(Schema-Management in einem objektorientierten Datenbanksystem)

Atsuo Yoshitaka; Masashito Hirakawa; Tadao Ichikawa

Hiroshima Univ., J

Visual Database Systems, Proceedings of the IFIP TC2/WG2.6 Second Working Conference, Budapest, H, 30 September - 3 October 19911992

Document type: Conference paper Language: English

Record type: Abstract

ISBN: 0-444-89609-0

ABSTRACT:

It is more difficult to design a schema for an object-oriented database system than a conventional database system such as a relational database system. This is because the user has to consider the structure of objects, the hierarchy of classes, and so on. This paper describes schema management in an object-oriented database system and its implementation issues. The following concerns schema definition and schema modification. The schema management discussed in this paper is based on the object-oriented data model MORE which we previously proposed. In MORE, a database schema consists of a 'class hierarchy' and 'aggregation hierarchies'. To make definition of a **schema** easier, we propose a **graphical schema** definition and **modification** by manipulating **graphs** which represent a class hierarchy and an aggregation hierarchy. In the proposed system, method descriptions are modified by the system in accordance with the modification of the hierarchies. And also, the system modifies an existing database to suit the new schema.

DESCRIPTORS: RELATIONAL DATABASES; DATABASE THEORY; DATA MODELS; OBJECT ORIENTED PROGRAMMING; GRAPHIC PRESENTATION; PROGRAMMING THEORY; OBJECT ORIENTED DATABASES

IDENTIFIERS: DATENBANKSCHEMA; OBJEKTORIENTIERTES DATENMODELL; Datenschema; objektorientierte Datenbank

ABSTRACT:

...we previously proposed. In MORE, a database schema consists of a 'class hierarchy' and 'aggregation **hierarchies**'. To **make** definition of a **schema** easier, we propose a **graphical schema** definition and **modification** by manipulating **graphs** which represent a class hierarchy and an aggregation hierarchy. In the proposed system, method descriptions ...

18/5,K/36 (Item 1 from file: 256)

DIALOG(R)File 256:TecInfoSource
(c) 2007 Info.Sources Inc. All rts. reserv.

00145270 DOCUMENT TYPE: Review

PRODUCT NAMES: Inspiration 7 (504637)

TITLE: Inspiration 7: Accessible Diagramming Programs Helps You Organize...

AUTHOR: Purdy, Charles
SOURCE: Macworld, v20 n3 p37(1) Mar 2003
ISSN: 0741-8647
HOMEPAGE: <http://www.macworld.com>

FILE SEGMENT: Review
RECORD TYPE: Review
GRADE: A

Inspiration Software's Inspiration 7 is useful brainstorming software. The OS X compatible program is targeted at students and teachers but could benefit anyone who needs to diagram and organize ideas quickly. Installation is very simple, and the program opens into an all-purpose diagram view. Icons representing key functions are located on top. A symbol palette has 1,300 symbols, and users also can import their own. It is not meant to be an illustration program, but the resulting charts are useful for many purposes. The **Outline** function will **transform** everything into a **hierarchical** text outline, and any reorganization done in outline **view** will be reflected when switching back to diagram view. The program is very useful for representing complex ideas in a visual and easily understandable format, and also useful for helping students learn how to prioritize and organize information. It also offers curriculum-specific templates for language arts, science, social studies, and other areas, and all templates are customizable. This is the first version to run on OS X. Other new features include multiple undoes, a SiteSkeleton feature for converting diagrams to HTML, and some basic audio features so snippets of audio can be attached to chart items. The program is easy to use, has good visual representation and drawing features, and is an excellent brainstorming tool.

PRICE: \$69

COMPANY NAME: Inspiration Software Inc (582743)
SPECIAL FEATURE: Screen Layouts Charts
DESCRIPTORS: Creativity Tools; Logic Diagramming; MacOS; MacOS X;
Outliners; Schools
REVISION DATE: 20030630

...to be an illustration program, but the resulting charts are useful for many purposes. The **Outline** function will **transform** everything into a **hierarchical** text outline, and any reorganization done in outline **view** will be reflected when switching back to diagram view. The program is very useful for...

18/5,K/37 (Item 1 from file: 56)

DIALOG(R)File 56:Computer and Information Systems Abstracts
(c) 2007 CSA. All rts. reserv.

0000613634 IP ACCESSION NO: 200702-90-019157
The Grapheur

Hassenforder, M; Gissinger, G

ACM SIGCHI Bulletin, v 26, n 1, p 46-50, Jan. 1994
PUBLICATION DATE: 1994

PUBLISHER: Association for Computing Machinery, Inc., One Astor Plaza, 1515
Broadway, New York, NY, 10036-5701
COUNTRY OF PUBLICATION: USA
PUBLISHER URL: <http://www.acm.org/>
PUBLISHER EMAIL: SIGS@acm.org

DOCUMENT TYPE: Electronic Journal Article
RECORD TYPE: Abstract
LANGUAGE: English
ISSN: 0736-6906
DOI: 10.1145/181526.181535
FILE SEGMENT: Computer & Information Systems Abstracts
ABSTRACT:

This paper introduces a new kind of graphic page maker concept for curve drawing. The implemented tool is designed to handle scientific data, but the underlying structure enables it to be adapted to any kind of curve drawing. This tool is a filter translating numerical input data into a page of curves following a given page layout. The input data format is very flexible and the page layout is hierarchically split into sub elements. This hierarchy is displayed and can be modified in a specially designed editor. The tool is built with object oriented design allowing easy improvement. This feature has been tested, we have successfully added some new friendly objects, so future implementation is discussed.

DESCRIPTORS: Tools; **Page** layout; **Drawing** ; **Editors** ; **Hierarchies** ;
Object-oriented programming; Object oriented; Handles; Format;
Translating
SUBJ CATG: 90, Computing Milieux (General)

DESCRIPTORS: Tools; **Page** layout; **Drawing** ; **Editors** ; **Hierarchies** ;
Object-oriented programming; Object oriented; Handles; Format;
Translating

18/5,K/38 (Item 2 from file: 56)

DIALOG(R)File 56:Computer and Information Systems Abstracts
(c) 2007 CSA. All rts. reserv.

0000142480 IP ACCESSION NO: 1798538

Hierarchical image decomposition and filtering using the S-transform.

Ranganath, S; Blume, H
Philips Lab., 345 Scarborough Rd., Briarcliff Manor, NY 10566, USA

PAGES: 799-814
PUBLICATION DATE: 1988

CONFERENCE:
SPIE Conference on Medical Imaging, Newport Beach, CA, (USA), 31 Jan.-5
Feb. 1988

DOCUMENT TYPE: Conference Paper
RECORD TYPE: Abstract
LANGUAGE: English
FILE SEGMENT: Computer & Information Systems Abstracts

ABSTRACT:

Image Transforms, such as the **S- Transform** , provide a **hierarchical representation** of the **image** which is attractive as part of a data compression technique in a PACS environment. In this paper, the S-Transform is shown to be a special case of subband coding, thus characterizing the spectral behavior of the transform. The S-Transform decomposes the frequency plane into roughly octave spaced regions. The corresponding "octave" images in the spatial domain can be linearly combined with different weights in order to synthesize an enhanced image. This is a computationally efficient process which provides a great deal of

flexibility in the specification of the enhancement MTF characteristic. Examples are shown of enhanced computed radiographs, comparing the results of the authors' technique and unsharp masking.

DESCRIPTORS: Image processing; Decomposition; Filtering; Data compression; Medicine; Transformations

SUBJ CATG: C CA1.3.8, RADIOLOGY; C CM3.9, INTEGRAL TRANSFORMS; C CM8.6, CODING /DECODING; C CA2.2, PATTERN RECOGNITION; IMAGE PROCESSING; MACHINE VISION

ABSTRACT:

Image Transforms, such as the S- **Transform** , provide a **hierarchical representation** of the **image** which is attractive as part of a data compression technique in a PACS environment. In...

21/5,K/1 (Item 1 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

(c) 2007 Elsevier Eng. Info. Inc. All rts. reserv.

06590573 E.I. Monthly No: EIM9304-021342

Title: Case-based reasoning in model-based diagnosis.

Author: Feret, M. P.; Glasgow, J. I.

Corporate Source: Queen's Univ, Kingston, Can

Conference Title: 17th International Conference on Applications of Artificial Intelligence in Engineering - AIENG/92

Conference Location: Waterloo, Ont, Can

E.I. Conference No.: 17373

Source: Applications of Artificial Intelligence in Engineering. Publ by Computational Mechanics Publ, Southampton, Engl. p 679-692

Publication Year: 1992

CODEN: AAIEEO ISBN: 1-85166-787-3

Language: English

Document Type: PA; (Conference Paper) Treatment: A; (Applications)

Journal Announcement: 9304

Abstract: This paper presents an approach to integrating case-based reasoning and model-based diagnostic reasoning for complex mechanical devices. Our current, generic approach to diagnosis is based on a **hierarchical** decomposition of mechanical devices and uses sensor data, collected in real-time and stored in a database, to guide the search towards hypothetical diagnoses. This paper identifies some of the difficulties encountered while applying our method to two real-world devices. These difficulties arise from the inherent imperfections of both the model of the device and the human experts designing the model. We show how case-based reasoning (CBR) can help address these problems. 24 Refs.

Descriptors: *MECHANISMS; COMPUTER AIDED SOFTWARE ENGINEERING; MATHEMATICAL MODELS; PROGRAM DIAGNOSTICS; **HIERARCHICAL** SYSTEMS; DATABASE SYSTEMS

Identifiers: CASE BASED REASONING (CBR); HYPOTHETICAL DIAGNOSES

Classification Codes:

601 (Mechanical Design); 723 (Computer Software); 921 (Applied Mathematics); 731 (Automatic Control Principles)

60 (MECHANICAL ENGINEERING); 72 (COMPUTERS & DATA PROCESSING); 92 (ENGINEERING MATHEMATICS); 73 (CONTROL ENGINEERING)

Author: Feret, M. P.; Glasgow, J. I.

...Abstract: reasoning for complex mechanical devices. Our current, generic approach to diagnosis is based on a **hierarchical** decomposition of mechanical devices and uses sensor data, collected in real-time and stored in...

Descriptors: *MECHANISMS; COMPUTER AIDED SOFTWARE ENGINEERING; MATHEMATICAL MODELS; PROGRAM DIAGNOSTICS; **HIERARCHICAL** SYSTEMS; DATABASE SYSTEMS

21/5,K/2 (Item 2 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

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06590570 E.I. Monthly No: EIM9304-021339

Title: Methodologies for generic fault diagnosis.

Author: Surgenor, B. W.; Glasgow, J. I. ; Feret, M. P.; Jofriet, P. J.

Corporate Source: Queen's Univ, Kingston, Can

Conference Title: 17th International Conference on Applications of Artificial Intelligence in Engineering - AIENG/92

Conference Location: Waterloo, Ont, Can

E.I. Conference No.: 17373

Source: Applications of Artificial Intelligence in Engineering. Publ by Computational Mechanics Publ, Southampton, Engl. p 609-625

Publication Year: 1992

CODEN: AAIEEO ISBN: 1-85166-787-3

Language: English

Document Type: PA; (Conference Paper) Treatment: A; (Applications)

Journal Announcement: 9304

Abstract: This paper gives an overview of two different approaches for the implementation of model-based real-time systems for fault diagnosis. The first approach is based upon a **hierarchical** decomposition of a process and incorporates a system state derived from recent sensor data. The second approach employs a conventional process model of the process in which faults are identified by excessive errors between modelled states and measured states. In both approaches the objective is a generic diagnosis module that can be applied to a variety of processes. (Author abstract) 11 Refs.

Descriptors: *ELECTRIC FAULT LOCATION; REAL TIME SYSTEMS; **HIERARCHICAL** SYSTEMS; SENSOR DATA FUSION; MATHEMATICAL MODELS; STATE ESTIMATION; PROGRAM DIAGNOSTICS

Identifiers: FAULT DIAGNOSIS; CASE BASED REASONING

Classification Codes:

706 (Electric Transmission & Distribution); 722 (Computer Hardware); 731 (Automatic Control Principles); 723 (Computer Software); 921 (Applied Mathematics)

70 (ELECTRICAL ENGINEERING); 72 (COMPUTERS & DATA PROCESSING); 73 (CONTROL ENGINEERING); 92 (ENGINEERING MATHEMATICS)

Author: Surgenor, B. W.; **Glasgow, J. I.** ; Feret, M. P.; Jofriet, P. J.

...Abstract: model-based real-time systems for fault diagnosis. The first approach is based upon a **hierarchical** decomposition of a process and incorporates a system state derived from recent sensor data. The...

Descriptors: *ELECTRIC FAULT LOCATION; REAL TIME SYSTEMS; **HIERARCHICAL** SYSTEMS; SENSOR DATA FUSION; MATHEMATICAL MODELS; STATE ESTIMATION; PROGRAM DIAGNOSTICS

21/5,K/3 (Item 3 from file: 8)

DIALOG(R) File 8: Ei Compendex(R)

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06385430 E.I. Monthly No: EIM9202-009825

Title: **Artificial intelligence and imagery.**

Author: **Glasgow, Janice**

Corporate Source: Dept of Comput & Inf Sci, Queen's Univ, Kingston

Conference Title: Proceedings of the 2nd International IEEE Conference on Tools for Artificial Intelligence

Conference Location: Herndon, VA, USA Conference Date: 19901106

Sponsor: IEEE Computer Soc

E.I. Conference No.: 15811

Source: Proc 2 Int IEEE Conf Tools Artif Intell. Publ by IEEE, IEEE Service Center, Piscataway, NJ, USA (IEEE cat n 90CH2915-7). p 554-563

Publication Year: 1990

ISBN: 0-8186-2084-6

Language: English

Document Type: PA; (Conference Paper) Treatment: X; (Experimental); T; (Theoretical)

Journal Announcement: 9202

Abstract: Research in cognitive psychology has suggested that images can be represented in terms of the spatial relationships of their meaningful parts. The author presents a formal scheme for knowledge representation

based on a functional theory of arrays. Such a representation makes explicit the important features of an image by capturing both its spatial and **hierarchical** structure. The author also discusses the cognitive processes involved in mental imagery and how corresponding operations can be defined for the array representation. 26 Refs.

Descriptors: *ARTIFICIAL INTELLIGENCE--*Applications; EXPERT SYSTEMS--Knowledge Bases; SYSTEMS SCIENCE AND CYBERNETICS--Cognitive Systems; IMAGING TECHNIQUES

Identifiers: KNOWLEDGE REPRESENTATION

Classification Codes:

723 (Computer Software); 461 (Biotechnology); 741 (Optics & Optical Devices)

72 (COMPUTERS & DATA PROCESSING); 46 (BIOENGINEERING); 74 (OPTICAL TECHNOLOGY)

Author: **Glasgow, Janice**

...Abstract: representation makes explicit the important features of an image by capturing both its spatial and **hierarchical** structure. The author also discusses the cognitive processes involved in mental imagery and how corresponding...

21/5,K/4 (Item 4 from file: 8)

DIALOG(R) File 8: Ei Compendex(R)

(c) 2007 Elsevier Eng. Info. Inc. All rts. reserv.

05676239 E.I. Monthly No: EIM8811-056522

Title: **REASONING ABOUT KNOWLEDGE IN MULTILEVEL SECURE DISTRIBUTED SYSTEMS.**

Author: **Glasgow, Janice I.** ; MacEwen, Glenn H.

Corporate Source: Queen's Univ, Kingston, Ont, Can

Conference Title: Proceedings - 1988 IEEE Symposium on Security and Privacy.

Conference Location: Oakland, CA, USA Conference Date: 19880418

Sponsor: IEEE, Technical Committee on Security and Privacy, New York, NY, USA; Int Assoc for Cryptologic Research

E.I. Conference No.: 11543

Source: Proceedings of the Symposium on Security and Privacy 1988. Publ by IEEE, New York, NY, USA. Avail from IEEE Service Cent (cat n 88CH2558-5), Piscataway, NJ, USA p 122-128

Publication Year: 1988

CODEN: PSSPEO ISBN: 0-8186-0850-1

Language: English

Document Type: PA; (Conference Paper)

Journal Announcement: 8811

Abstract: A method for reasoning about knowledge in **multilevel** secure distributed systems is introduced. This method, based on a behavioral semantics for operator nets, can be used to specify a variety of security properties such as nondisclosure, integrity, and authority systems. The major attributes of the method are the intuitive nature of the specifications and the expressibility of the model, which allows statements about temporal properties and deductive capabilities of processes. 22 refs.

Descriptors: *COMPUTER SYSTEMS, DIGITAL--*Distributed; ARTIFICIAL INTELLIGENCE--Expert Systems

Identifiers: KNOWLEDGE REASONING; **MULTILEVEL SECURE DISTRIBUTED SYSTEMS**; NONDISCLOSURE; INTEGRITY; SECURITY PROPERTIES

Classification Codes:

722 (Computer Hardware); 723 (Computer Software)

72 (COMPUTERS & DATA PROCESSING)

Title: REASONING ABOUT KNOWLEDGE IN MULTILEVEL SECURE DISTRIBUTED SYSTEMS.

Author: **Glasgow, Janice I. ; MacEwen, Glenn H.**

Abstract: A method for reasoning about knowledge in **multilevel** secure distributed systems is introduced. This method, based on a behavioral semantics for operator nets...

Identifiers: KNOWLEDGE REASONING; **MULTILEVEL** SECURE DISTRIBUTED SYSTEMS ; NONDISCLOSURE; INTEGRITY; SECURITY PROPERTIES

21/5,K/5 (Item 5 from file: 8)

DIALOG(R)File 8:EI Compendex(R)

(c) 2007 Elsevier Eng. Info. Inc. All rts. reserv.

05301708 E.I. Monthly No: EI8708077941

Title: DEVELOPMENT AND PROOF OF A FORMAL SPECIFICATION FOR A MULTILEVEL SECURE SYSTEM.

Author: **Glasgow, Janice I. ; MacEwen, Glenn H.**

Corporate Source: Queen's Univ, Kingston, Ont, Can

Source: ACM Transactions on Computer Systems v 5 n 2 May 1987 p 151-184

Publication Year: 1987

CODEN: ACSYEC ISSN: 0734-2071

Language: ENGLISH

Document Type: JA; (Journal Article)

Journal Announcement: 8708

Abstract: This paper describes current work on the design and specification of a **multilevel** secure distributed system called SNet. It discusses security models in general, the various problems of information flows in SNet, and the abstract and concrete security model components for SNet. It also introduces Lucid as a language for specifying distributed systems. The model components are expressed in Lucid; these Lucid partial specifications are shown to be correct with respect to the formal model, and the two model components are shown to be consistent. (Edited author abstract) 37 refs.

Descriptors: *COMPUTER SYSTEMS, DIGITAL--*Distributed; DATA PROCESSING--Security of Data; COMPUTER PROGRAMMING LANGUAGES; COMPUTER OPERATING SYSTEMS

Identifiers: **MULTILEVEL** SECURE SYSTEM; FORMAL SPECIFICATION; LUCID; SNET

Classification Codes:

722 (Computer Hardware); 723 (Computer Software)

72 (COMPUTERS & DATA PROCESSING)

Title: DEVELOPMENT AND PROOF OF A FORMAL SPECIFICATION FOR A MULTILEVEL SECURE SYSTEM.

Author: **Glasgow, Janice I. ; MacEwen, Glenn H.**

Abstract: This paper describes current work on the design and specification of a **multilevel** secure distributed system called SNet. It discusses security models in general, the various problems of...

Identifiers: **MULTILEVEL** SECURE SYSTEM; FORMAL SPECIFICATION; LUCID; SNET

21/5,K/6 (Item 6 from file: 8)

DIALOG(R)File 8:EI Compendex(R)

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05276489 E.I. Monthly No: EIM8710-065464

Title: MODEL FOR MULTILEVEL SECURITY BASED ON OPERATOR NETS.

Author: MacEwen, Glenn H.; Poon, Victor W. W.; **Glasgow, Janice I.**

Corporate Source: Queen's Univ, Kingston, Ont, Can
Conference Title: Proceedings - 1987 IEEE Symposium on Security and Privacy.

Conference Location: Oakland, CA, USA Conference Date: 19870427

Sponsor: IEEE, Technical Committee on Security & Privacy, New York, NY, USA; Int Assoc for Cryptologic Res

E.I. Conference No.: 10103

Source: Proceedings of the Symposium on Security and Privacy 1987. Publ by IEEE, New York, NY, USA. Available from IEEE Service Cent (Cat n 87CH2416-6), Piscataway, NJ, USA p 150-160

Publication Year: 1987

CODEN: PSSPEO ISBN: 0-8186-0771-8

Language: English

Document Type: PA; (Conference Paper)

Journal Announcement: 8710

Abstract: A security model for the SNet **multilevel** secure distributed system, based on a behavioral semantics for operator nets and expressed in Lucid, is described. This model subsumes a previously published model of the network within SNet and includes authorized downgrading as well as the security policies enforced by trusted hosts connected to the network. The previous model is based on seven rather ad hoc constraints without presenting a coherent argument regarding security. The model described provides a more general abstract model than is provided by those seven constraints. 19 refs.

Descriptors: *DATA PROCESSING--*Security of Data; DATABASE SYSTEMS--Distributed; MATHEMATICAL MODELS

Identifiers: **MULTILEVEL** SECURITY; OPERATOR NETS; BEHAVIORAL SEMANTICS

Classification Codes:

723 (Computer Software); 921 (Applied Mathematics)

72 (COMPUTERS & DATA PROCESSING); 92 (ENGINEERING MATHEMATICS)

Title: MODEL FOR MULTILEVEL SECURITY BASED ON OPERATOR NETS.

Author: MacEwen, Glenn H.; Poon, Victor W. W.; **Glasgow, Janice I.**

Abstract: A security model for the SNet **multilevel** secure distributed system, based on a behavioral semantics for operator nets and expressed in Lucid...

Identifiers: **MULTILEVEL** SECURITY; OPERATOR NETS; BEHAVIORAL SEMANTICS

21/5,K/7 (Item 7 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

(c) 2007 Elsevier Eng. Info. Inc. All rts. reserv.

05227722 E.I. Monthly No: EIM8702-008744

Title: VERIFICATION OF SAFETY PROPERTIES FOR DISTRIBUTED SYSTEMS USING LUCID.

Author: **Glasgow, Janice I.** ; MacEwen, Glenn H.

Corporate Source: Queen's Univ, Kingston, Ont, Can

Conference Title: Fifth Annual International Phoenix Conference on Computers and Communications 86 - 1986 Conference Proceedings.

Conference Location: Scottsdale, AZ, USA Conference Date: 19860326

Sponsor: IEEE, New York, NY, USA; IEEE Computer Soc, Los Alamitos, CA, USA; IEEE Communications Soc, New York, NY, USA; IEEE, Phoenix Section, Phoenix, AZ, USA; Arizona State Univ, Tempe, AZ, USA

E.I. Conference No.: 08991

Source: Conference Proceedings - Annual Phoenix Conference 5th. 1986 Publ by IEEE, New York, NY, USA. Available from IEEE Service Cent (Cat n 86CH2371-3), Piscataway, NJ, USA p 355-363

Publication Year: 1986

CODEN: CSPACE3 ISBN: 0-8186-0691-6

Language: English

Document Type: PA; (Conference Paper)

Journal Announcement: 8702

Abstract: Lucid is a functional programming language that was originally designed for the purpose of program verification. More recently, it has been viewed as a special-purpose language for implementing dataflow networks. Unlike most dataflow languages (in particular 'single assignment' languages) it does not rely on the von Neumann form of computation. Instead, it intuitively reflects the concepts of data flowing through a network. The Lucid approach to specification provides a particularly simple and intuitive model for understanding distributed systems. The method described in this paper utilizes dataflow graphs to illustrate communication in a distributed network. The nodes of the graph correspond to Lucid functions and the arcs to the infinite history sequences of Lucid programs. Once a system is specified, the Lucid inference and transformation rules can be applied to verify the correctness of a system. A formal security model for the SNet **multilevel** secure distributed system is specified and verified to demonstrate the applicability of the language Lucid for this purpose. 11 refs.

Descriptors: *COMPUTER PROGRAMMING LANGUAGES; COMPUTER SYSTEMS, DIGITAL--Distributed

Identifiers: DATAFLOW LANGUAGE LUCID; DATAFLOW GRAPHS; SECURITY MODEL; LUCID VERIFICATION RULES

Classification Codes:

723 (Computer Software); 722 (Computer Hardware)

72 (COMPUTERS & DATA PROCESSING)

Author: **Glasgow, Janice I.** ; MacEwen, Glenn H.

...Abstract: applied to verify the correctness of a system. A formal security model for the SNet **multilevel** secure distributed system is specified and verified to demonstrate the applicability of the language, Lucid...

21/5,K/8 (Item 1 from file: 65)

DIALOG(R)File 65:Inside Conferences

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02783472 INSIDE CONFERENCE ITEM ID: CN029096632

A Map of the Protein Space-An Automatic Hierarchical Classification of all Protein Sequences

Yona, G.; Linial, N.; Tishby, N.; Linial, M.

CONFERENCE: Intelligent systems for molecular biology; ISMB-98-International conference; 6th

INTERNATIONAL CONFERENCE ON INTELLIGENT SYSTEMS FOR MOLECULAR BIOLOGY, 1998; CONF 6 P: 212-221

AAAI Press, 1998

ISBN: 1577350537

LANGUAGE: English DOCUMENT TYPE: Conference Papers

CONFERENCE EDITOR(S): **Glasgow, J.**

CONFERENCE LOCATION: Montreal, Canada

CONFERENCE DATE: Jun 1998 (199806)

BRITISH LIBRARY ITEM LOCATION: 4538.827090

DESCRIPTORS: molecular biology; intelligent systems; ISMB

A Map of the Protein Space-An Automatic Hierarchical Classification of all Protein Sequences

CONFERENCE EDITOR(S): **Glasgow, J.**

21/5,K/9 (Item 2 from file: 65)

DIALOG(R)File 65:Inside Conferences

(c) 2007 BLDSC all rts. reserv. All rts. reserv.

02783457 INSIDE CONFERENCE ITEM ID: CN029096487

Hierarchical **Minimization with Distance and Angle Constraints**

Gunn, J. R.

CONFERENCE: Intelligent systems for molecular biology; ISMB-98-

International conference; 6th

INTERNATIONAL CONFERENCE ON INTELLIGENT SYSTEMS FOR MOLECULAR BIOLOGY,
1998; CONF 6 P: 78-84

AAAI Press, 1998

ISBN: 1577350537

LANGUAGE: English DOCUMENT TYPE: Conference Papers

CONFERENCE EDITOR(S): **Glasgow, J.**

CONFERENCE LOCATION: Montreal, Canada

CONFERENCE DATE: Jun 1998 (199806)

BRITISH LIBRARY ITEM LOCATION: 4538.827090

DESCRIPTORS: molecular biology; intelligent systems; ISMB

Hierarchical **Minimization with Distance and Angle Constraints**

CONFERENCE EDITOR(S): **Glasgow, J.**

21/5,K/10 (Item 3 from file: 65)

DIALOG(R)File 65:Inside Conferences

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01025454 INSIDE CONFERENCE ITEM ID: CN010029181

Knowledge Discovery of Multilevel Protein Motifs

Conklin, D.; Fortier, S.; **Glasgow, J.**

CONFERENCE: Intelligent systems for molecular biology-2nd International
conference

INTERNATIONAL CONFERENCE ON INTELLIGENT SYSTEMS FOR MOLECULAR BIOLOGY,
1994; 2nd P: 96-102

Menlo Park, AAAI Press, 1994

ISBN: 0929280687

LANGUAGE: English DOCUMENT TYPE: Conference Papers

CONFERENCE EDITOR(S): Altman, R.

CONFERENCE LOCATION: Stanford, CA

CONFERENCE DATE: Aug 1994 (199408)

BRITISH LIBRARY ITEM LOCATION: 4538.827090

NOTE:

Also known as ISMB-94

DESCRIPTORS: intelligent systems; molecular biology; AAAI; ISMB

Knowledge Discovery of Multilevel Protein Motifs

Conklin, D.; Fortier, S.; **Glasgow, J.**

21/5,K/11 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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07879911 INSPEC Abstract Number: A2001-09-3620-002, C2001-05-7320-021

Title: Hierarchical **minimization with distance and angle constraints**
[proteins]

Author(s): Gunn, J.R.

Author Affiliation: Dept. de Chimie, Montreal Univ., Que., Canada
Conference Title: Proceedings Sixth International Conference on
Intelligent Systems for Molecular Biology p.78-84

Editor(s): Glasgow, J.; Littlejohn, T.; Major, F.; Lathrop, R.; Sankoff,
D.; Sensen, C.

Publisher: AAAI Press, Menlo Park, CA, USA

Publication Date: 1998 Country of Publication: USA 221 pp.

ISBN: 1 57735 053 7 Material Identity Number: XX-2000-02362

Conference Title: Proceedings of Sixth International Conference on
Intelligent Systems for Molecular Biology

Conference Sponsor: Int. Soc Comput. Biology; American Assoc. Artificial
Intelligence

Conference Date: 28 June-1 July 1998 Conference Location: Montreal,
Que., Canada

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P); Theoretical (T)

Abstract: The incorporation of experimentally-determined constraints into protein structure prediction methods based on energy minimization leads to both improved selectivity with empirical potential functions and to structure determination with far fewer constraints than are required for distance-geometry calculations. Some methods are described for using both distance and angle constraints with the **hierarchical** minimization algorithm. The simulation is based on a combination of Monte Carlo, simulated annealing and genetic algorithm techniques, which are integrated into a single framework. The selection cycle of the genetic algorithm is carried out at the same temperature as the mutations, or alternatively the crossover cycle can be considered as a type of Monte Carlo trial move, such that each temperature annealing step corresponds to a new generation. The sequence is divided up into segments, and the mutation step consists of replacing an entire segment with a choice from a pre-selected list. This list is in turn constructed from a list of smaller segments, and the number of overall conformations can thus be pruned at each level of selection. Results are shown for test cases using a small number of flexible distance constraints used as an additional term in the potential, and for restrictions placed on backbone dihedral angles used as an additional screening criterion for constructing trial moves. (10 Refs)

Subfile: A C

Descriptors: biology computing; bond angles; bond lengths; genetic algorithms; minimisation; molecular biophysics; molecular configurations; Monte Carlo methods; physics computing; potential energy functions; proteins; simulated annealing

Identifiers: **hierarchical** minimization algorithm; flexible distance constraints; angle constraints; protein structure prediction methods; energy minimization; selectivity; potential functions; structure determination; distance-geometry calculations; simulation; Monte Carlo trial move; simulated annealing; genetic algorithm; selection cycle; temperature; mutations; crossover cycle; segment replacement; pre-selected list; conformation pruning; backbone dihedral angles; screening criterion; protein folding

Class Codes: A3620H (Macromolecular configuration (bonds, dimensions)); A3620C (Macromolecular conformation (statistics and dynamics)); A8715B (Biomolecular structure, configuration, conformation, and active sites); A3520D (Interatomic distances and angles in molecules); A3520B (General molecular conformation and symmetry; stereochemistry); A0250 (Probability theory, stochastic processes, and statistics); A3420 (Interatomic and intermolecular potentials and forces); A8710 (General, theoretical, and mathematical biophysics); C7320 (Physics and chemistry computing); C1180 (Optimisation techniques); C1140G (Monte Carlo methods); C7330 (Biology and medical computing)

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Title: Hierarchical minimization with distance and angle constraints

[proteins]

...Abstract: geometry calculations. Some methods are described for using both distance and angle constraints with the **hierarchical** minimization algorithm. The simulation is based on a combination of Monte Carlo, simulated annealing and...

Identifiers: **hierarchical** minimization algorithm...

Glasgow, J. (editor) ; Littlejohn, T. (editor); Major, F. (editor); Lathrop, R. (editor); Sankoff, D. (editor); Sensen...

21/5,K/12 (Item 2 from file: 2)

DIALOG(R) File 2:INSPEC

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07879901 INSPEC Abstract Number: A2001-09-0130C-024, C2001-05-7330-042

Title: Proceedings Sixth International Conference on Intelligent Systems for Molecular Biology

Editor(s): Glasgow, J.; Littlejohn, T.; Major, F.; Lathrop, R.; Sankoff, D.; Sensen, C.

Publisher: AAAI Press, Menlo Park, CA, USA

Publication Date: 1998 Country of Publication: USA 221 pp.

ISBN: 1 57735 053 7 Material Identity Number: XX-2000-02362

Conference Title: Proceedings of Sixth International Conference on Intelligent Systems for Molecular Biology

Conference Sponsor: Int. Soc Comput. Biology; American Assoc. Artificial Intelligence

Conference Date: 28 June-1 July 1998 Conference Location: Montreal, Que., Canada

Language: English Document Type: Conference Proceedings (CP)

Abstract: The following topics were dealt with: the ribosome scanning model for translation initiation; compression of strings with approximate repeats; probability of language-like patterns in biomolecular sequences; transparent access to multiple bioinformatics information sources; computational applications of DNA structural scales; advanced query mechanisms for biological databases; statistical theory of sequence alignment with gaps; immunogenetics database coherence and data distribution improvement; workflow management in large-scale biology research laboratories; **hierarchical** minimization with distance and angle constraints; qualitative simulation environment for molecular biology; system for the description, analysis and recognition of regulatory sequences in eukaryotic genomes; modelling protein homopolymeric repeats; segment-based scores for pairwise and multiple sequence alignments; prediction of signal peptides and signal anchors by hidden Markov model; Bayesian protein family classifier; sequence assembly validation by multiple restriction digest fragment coverage analysis; surface measure for probabilistic structural computations; identification of divergent functions in homologous proteins by induction over conserved modules; phylogenetic inference in protein superfamilies; hidden Markov model for predicting transmembrane helices in protein sequences; computational system for modelling flexible protein-protein and protein-DNA docking; genetic algorithms for protein threading; automated clustering and assembly of large expressed sequence tag collections; and a map of the protein space.

Subfile: A C

Descriptors: artificial intelligence; biocybernetics; biology computing; molecular biophysics; physics computing

Identifiers: intelligent systems; molecular biology; computational methods; biological problems; machine learning; pattern recognition; knowledge representation; databases; combinatorics; stochastic modelling; string and graph algorithms; graph algorithms; linguistic methods; robotics; constraint satisfaction; parallel computation; molecular structure; genomics; molecular sequence analysis; evolution; phylogenetics; metabolic

pathways; regulatory networks; developmental control

Class Codes: A0130C (Conference proceedings); A8715 (Molecular biophysics); C7330 (Biology and medical computing); C7320 (Physics and chemistry computing); C6170 (Expert systems and other AI software and techniques); C1290L (Systems theory applications in biology and medicine)
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...Abstract: immunogenetics database coherence and data distribution improvement; workflow management in large-scale biology research laboratories; **hierarchical** minimization with distance and angle constraints; qualitative simulation environment for molecular biology; system for the...

Glasgow, J. (editor) ; Littlejohn, T. (editor); Major, F. (editor); Lathrop, R. (editor); Sankoff, D. (editor); Sensen...

21/5,K/13 (Item 3 from file: 2)

DIALOG(R) File 2:INSPEC

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05710531 INSPEC Abstract Number: C9408-1230-058

Title: Tractable approximate deduction using limited vocabularies

Author(s): Dalal, M.; Etherington, D.W.

Author Affiliation: Dept. of Comput. Sci., Rutgers Univ., New Brunswick, NJ, USA

p.206-12

Editor(s): Glasgow, J.; Hadley, R.F.

Publisher: Morgan Kaufmann, Palo Alto, CA, USA

Publication Date: 1992 Country of Publication: USA xi+257 pp.

ISBN: 0 9694596 1 0

Conference Title: Proceedings of AI '92

Conference Sponsor: Canadian Soc Comput. Studies Intelligence

Conference Date: 11-15 May 1992 Conference Location: Vancouver, BC, Canada

Language: English Document Type: Conference Paper (PA)

Treatment: Theoretical (T)

Abstract: A new approach to tractable deduction from an expressive knowledge base is presented that approximates formulae by automatically mapping them to some restricted language. Various mappings and their properties are discussed, and an anytime algorithm to compute approximations is presented. Several published approaches prove to be special instances of ours. To illustrate this, our formalism is used to formalize **hierarchical** knowledge bases, and to extend them by allowing negation and mutual exclusion. We believe this to be the first comprehensive theoretical framework for approximate reasoning. (16 Refs)

Subfile: C

Descriptors: computability; formal languages; inference mechanisms; knowledge based systems; knowledge representation; uncertainty handling; vocabulary

Identifiers: tractable approximate deduction; limited vocabularies; expressive knowledge base; formula approximation; automatic mapping; restricted language; anytime algorithm; **hierarchical** knowledge bases; negation; mutual exclusion; approximate reasoning

Class Codes: C1230 (Artificial intelligence); C6170 (Expert systems); C4210 (Formal logic); C4240 (Programming and algorithm theory)

...Abstract: to be special instances of ours. To illustrate this, our formalism is used to formalize **hierarchical** knowledge bases, and to extend them by allowing negation and mutual exclusion. We believe this...

...Identifiers: **hierarchical** knowledge bases

Glasgow, J. (editor) ; Hadley, R.F. (editor)

21/5,K/14 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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05710530 INSPEC Abstract Number: C9408-4210-116

Title: Hierarchical meta-logics for belief and provability: how we can do without modal logics

Author(s): Giunchigli, F.; Serafini, L.

Author Affiliation: IRST, Trento, Italy

p.198-205

Editor(s): Glasgow, J.; Hadley, R.F.

Publisher: Morgan Kaufmann, Palo Alto, CA, USA

Publication Date: 1992 Country of Publication: USA xi+257 pp.

ISBN: 0 9694596 1 0

Conference Title: Proceedings of AI '92

Conference Sponsor: Canadian Soc Comput. Studies Intelligence

Conference Date: 11-15 May 1992 Conference Location: Vancouver, BC, Canada

Language: English Document Type: Conference Paper (PA)

Treatment: Theoretical (T)

Abstract: Multilanguage systems (ML systems) are formal systems allowing the use of multiple distinct logical languages. In this paper, we introduce a class of ML systems which use a **hierarchy** of metatheories, each with a first order language containing names for the language below, and propose them as an alternative to modal logics. The motivations of our proposal are technical and epistemological. From a technical point of view, we prove, among other things, that modal logics can be embedded in the corresponding ML systems. Moreover, we show that ML systems have properties not holding for modal logics and argue that these properties are justified by our intuitions. We motivate our claim by studying how they can be used in the representation of beliefs (more generally, propositional attitudes) and provability, two areas where modal logics have been extensively used. (26 Refs)

Subfile: C

Descriptors: belief maintenance; formal languages; formal logic

Identifiers: **hierarchical** meta-logics; belief representation;

provability; modal logics; multilanguage systems; ML systems; formal logic; multiple distinct logical languages; metatheories; first order language; propositional attitude

Class Codes: C4210 (Formal logic); C1230 (Artificial intelligence)

Title: Hierarchical meta-logics for belief and provability: how we can do without modal logics

...**Abstract:** logical languages. In this paper, we introduce a class of ML systems which use a **hierarchy** of metatheories, each with a first order language containing names for the language below, and...

Identifiers: **hierarchical** meta-logics...

Glasgow, J. (editor) ; Hadley, R.F. (editor)

21/5,K/15 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

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05710504 INSPEC Abstract Number: C9408-1230-046

Title: Formalizing plan justifications

Author(s): Fink, E.; Yang, Q.

Author Affiliation: Dept. of Comput. Sci., Waterloo Univ., Ont., Canada
p.9-14

Editor(s): Glasgow, J.; Hadley, R.F.

Publisher: Morgan Kaufmann, Palo Alto, CA, USA

Publication Date: 1992 Country of Publication: USA xi+257 pp.

ISBN: 0 9694596 1 0

Conference Title: Proceedings of AI '92

Conference Sponsor: Canadian Soc Comput. Studies Intelligence

Conference Date: 11-15 May 1992 Conference Location: Vancouver, BC, Canada

Language: English Document Type: Conference Paper (PA)

Treatment: Theoretical (T)

Abstract: This paper formalizes the notion of justified plans, which captures the intuition behind "good" plans. A justified plan is one that does not contain operators which are not necessary for achieving a goal. The importance of formalizing this notion is due to two reasons. First, it gives rise to methods for optimizing a given plan by removing "useless" operators. Second, several important concepts describing abstraction **hierarchies** are defined via justified plans. In the past, relatively few attempts have been made to formalize such a notion. This paper defines several different kinds of plan justifications, presents algorithms for finding a justified version of a plan, and shows that the task of finding the best possible justified version of a plan is NP-complete. Finally, it presents a greedy algorithm for finding a near-optimal justified plan in polynomial time. (8 Refs)

Subfile: C

Descriptors: computational complexity; planning (artificial intelligence); search problems

Identifiers: plan justifications; abstraction **hierarchies**; NP-completeness; greedy algorithm; polynomial time

Class Codes: C1230 (Artificial intelligence); C4240 (Programming and algorithm theory)

...Abstract: for optimizing a given plan by removing "useless" operators. Second, several important concepts describing abstraction **hierarchies** are defined via justified plans. In the past, relatively few attempts have been made to...

...Identifiers: abstraction **hierarchies**;

Glasgow, J. (editor); Hadley, R.F. (editor)

21/5,K/16 (Item 6 from file: 2)

DIALOG(R) File 2:INSPEC

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05132538 INSPEC Abstract Number: C9205-7440-128

Title: **Generic diagnosis for mechanical devices**

Author(s): Feret, M.P.; Glasgow, J.I.

Author Affiliation: Dept. of Comput. & Inf. Sci., Queen's Univ., Kingston, Ont., Canada

Conference Title: Applications of Artificial Intelligence in Engineering VI p.753-67

Editor(s): Rzevski, G.; Adey, R.A.

Publisher: Elsevier Applied Science, London, UK

Publication Date: 1991 Country of Publication: UK 1052 pp.

ISBN: 1 85166 678 8

Conference Date: 2-4 July 1991 Conference Location: Oxford, UK

Language: English Document Type: Conference Paper (PA)

Treatment: Applications (A); Practical (P)

Abstract: Presents an approach to fault diagnosis based on **hierarchical**

decomposition of mechanical devices. The diagnosis problem is reformulated as a problem of pruning a search tree corresponding to the structural decomposition of the monitored device. Thus, the knowledge acquisition phase for this approach consists of determining the **hierarchical** decomposition and the appropriate pruning rules for the particular application. This paper presents the diagnosis component of a generic monitoring system (the Automated Data Management System, or ADMS) which aims at providing a development framework for diagnosis systems. The ultimate goal is to apply the system to the Mobile Servicing System, Canada's contribution to the International Space Station. The authors have applied this paradigm to a robotic device called the Fairing Servicing Subsystem (FSS), placed at the rear of a boat to replace damaged fairings on a cable which drags an underwater detection system. (14 Refs)

Subfile: C

Descriptors: computerised monitoring; failure analysis; knowledge acquisition; mechanical engineering computing; search problems; trees (mathematics)

Identifiers: search tree pruning; damaged cable fairings; mechanical devices; fault diagnosis; **hierarchical** decomposition; structural decomposition; knowledge acquisition; generic monitoring system; Automated Data Management System; Mobile Servicing System; International Space Station; robotic device; Fairing Servicing Subsystem; boat; underwater detection system

Class Codes: C7440 (Civil and mechanical engineering); C6170 (Expert systems)

Author(s): Feret, M.P.; Glasgow, J.I.

Abstract: Presents an approach to fault diagnosis based on **hierarchical** decomposition of mechanical devices. The diagnosis problem is reformulated as a problem of pruning a...

... the monitored device. Thus, the knowledge acquisition phase for this approach consists of determining the **hierarchical** decomposition and the appropriate pruning rules for the particular application. This paper presents the diagnosis...

...Identifiers: **hierarchical** decomposition

21/5,K/17 (Item 1 from file: 34)

DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
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04763994 Genuine Article#: BF24Q Number of References: 40

Title: A FORMALISM FOR MODEL-BASED SPATIAL PLANNING

Author(s): GLASGOW J

Corporate Source: QUEENS UNIV, DEPT COMP & INFORMAT SCI/KINGSTON/ON K7L 3N6/CANADA/

Journal: LECTURE NOTES IN COMPUTER SCIENCE, 1995, V988, P501-518

ISSN: 0302-9743

Language: ENGLISH Document Type: ARTICLE

Geographic Location: CANADA

Subfile: ISTP; SciSearch

Journal Subject Category: COMPUTER SCIENCE, THEORY & METHODS

Abstract: This paper presents a formalism for spatial planning based on a symbolic array representation of the world. Entities in the world are denoted as symbols in the array and relations in the world are modeled using array inspection functions. A plan is constructed using array transformation functions that correspond to physical transformations in the world. This model-based approach to planning supports the implementation of heuristic search strategies similar to those applied

by humans when reasoning with cognitive maps.

Research Fronts: 94-0464 002 (PLANNING SYSTEMS; PARALLEL COMPUTERS;
MARKOV DECISION-PROCESSES; EFFICIENCY OF **HIERARCHICAL**
PROBLEM-SOLVING; BOREL SPACES; AVERAGE OPTIMALITY)
94-1069 001 (MAPS IMPROVE MEMORY FOR TEXT; VISUAL MENTAL-IMAGERY;
RANDOM COGNITIVE ACTIVATION)
94-1391 001 (MANIFEST RELATIONAL SIMILARITY; KNOWLEDGE ACQUISITION;
ANALOGICAL MAPPING; WILL MEDIA INFLUENCE LEARNING; SELECTION TASK;
CONCEPTUAL CHANGE)
94-5221 001 (KNOWLEDGE-BASED SYSTEMS; BLACKBOARD FRAMEWORK; INTELLIGENT
AGENTS; OBJECT MODELS)

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TVERSKY B, 1993, V716, P14, P EUR C COSIT 93

Author(s): **GLASGOW J**

Research Fronts: 94-0464 002 (PLANNING SYSTEMS; PARALLEL COMPUTERS;
MARKOV DECISION-PROCESSES; EFFICIENCY OF **HIERARCHICAL**
PROBLEM-SOLVING; BOREL SPACES; AVERAGE OPTIMALITY)
94-1069 001 (MAPS IMPROVE MEMORY FOR TEXT; VISUAL...

DIALOG(R) File 256:TecInfoSource
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00152504 DOCUMENT TYPE: Review

PRODUCT NAMES: GIS (830278)

TITLE: US Route GIS: A Consensus Method Finds Preferred Routing

AUTHOR: Glasgow, Jesse ; French, Steve; Zwick, Paul...

SOURCE: GeoWorld, v17 n4 p24(4) Apr 2004

ISSN: 0897-5507

HOME PAGE: <http://www.geoplace.com/gw/>

FILE SEGMENT: Review

RECORD TYPE: Product Analysis

A discussion is provided of the use of geographical information system (GIS) technology in a new GIS-enabled system that could revolutionize the way in which electric utilities evaluate and choose transmission line routes. The system is being developed by the Electrical Power Research Institute (EPRI) and Georgia Transmission. The prototype system is a GIS tool that integrates satellite imagery with layers of statewide GIS datasets. Moreover, standard business process and site-selection methods are under development as a way to develop new industry standards. The GTC/EPRI Transmission Line siting Methodology Research Project is an example of the way in which geotechnology can be implemented to enhance productivity and assist in dealing with a crucial industry-wide challenge. Adoption of GIS methodology eases and increases the efficiency of the documentation process and helps in building consistent, quantitative, and justifiable standards for examination of data, describing explanations, and demonstrations of connections among facts and choices. The EPRI Transmission Line Siting Methodology can be likened to a funnel into which geographic information is input to allow a preferred route to emerge. Individual features are ranked according to suitability and weight feature groups by relative importance, and internal and external stakeholder input is collected through the Dephi Process and the Analytical **Hierarchical** Process for pairwise comparison. Topics covered include refinement of potential locations; generation of alternate routes; adding data; engineering issues; natural environment; and the work of the built environment stakeholder group. GTC intends to use the methodology for all future transmission projects, but will still rely on the judgment, values, and views of the stakeholders and on the skill and experience of professional staff.

COMPANY NAME: TecTerns (999999)

SPECIAL FEATURE: Charts

DESCRIPTORS: Energy Management; GIS; Mapping; Urban Planning; Utility Industries

REVISION DATE: 20061200

AUTHOR: Glasgow, Jesse ; French, Steve; Zwick, Paul...

...and internal and external stakeholder input is collected through the Dephi Process and the Analytical **Hierarchical** Process for pairwise comparison. Topics covered include refinement of potential locations; generation of alternate routes...

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| Set | Items | Description |
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| S2 | 308556 | HIERARCH???? OR MULTILEVEL? OR MULTITIER? OR (MULTI OR MUL- TIPLE) () (LEVEL? ? OR TIER? ?) (3N) (STRUCTURE? ? OR ARCHITECTUR- E? ? OR DATA OR INFORMATION OR REPRESENTATION? ?) |
| S3 | 19275266 | CATEGORY OR CATEGORIES OR CLASS?? OR SET OR SETS OR REQUIR- EMENT? OR TYPES OR SORTS OR CLASSIFICATION? ? OR GROUPS |
| S4 | 465037 | S1(3N) (EDIT??? OR CHANG??? OR TRANSFORM??? OR REPLACE? OR - REPLACING OR REVIS??? OR MAK??? OR MODIFICATION? ? OR MODIFY?- ?? OR MODIFIE? ? OR UPDAT??? OR UP() DAT???) |

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 OR WORK??? OR WRIT???) OR REWORK??? OR ALTER?)
 S6 20299857 DISPLAY??? OR SHOW??? OR WINDOW? ? OR SCREEN? ? OR PAGE? ?
 OR VIEW? ? OR GRAPH? ? OR IMAGE? ? OR TABLE? ? OR TABULAR OR -
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 S7 3446638 INVENTOR? ? OR INVENTION OR PATENT? ? OR INTELLECTUAL() PRO-
 PERT?
 S8 581732 S4 OR S5
 S9 14239 S2(3N)S3
 S10 180 S8(50N)S9(50N) (S6 OR S7)
 S11 179 S8(50N)S9(50N)S6
 S12 123 RD (unique items)
 S13 100 S12 NOT PY=2001:2007
 S14 9 S13/TI,AB
 S15 56 S8(15N)S9(15N)S6
 S16 40 RD (unique items)
 S17 37 S16 NOT PY=2001:2007
 S18 32 S17 NOT S14
 S19 2 S8(50N)S9(50N)S7
 S20 2 RD (unique items)
 S21 2 S20 NOT (S14 OR S18)
 S22 1 S21 NOT PY=2001:2007

14/3,K/1 (Item 1 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01830910 SUPPLIER NUMBER: 17269815 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Navigating applications - a better way. (using tabbed folders and outline controls in interface design) (Tutorial)

Youngworth, Paul

Data Based Advisor, v13, n7, p72(2)

August, 1995

DOCUMENT TYPE: Tutorial ISSN: 0740-5200 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1557 LINE COUNT: 00123

...ABSTRACT: is now easier than ever to include them in applications. Tabbed folders are replacing cascaded **windows** and cascaded menus in commercial software interfaces to guide users through options. They put all of the data and the way to navigate through the data on the **screen** at the same time, which neither cascaded **windows** nor cascaded menus can do. Tabbed **windows** are best when navigating through an application with sets of information that do not need to be **displayed** side-by-side, while cascaded **windows** are best when the information needs to be seen side-by-side. **Outline** control **makes** it easier for users to navigate through multilevel data; it **shows** users the relationship of their data and gives them a simple way to navigate the data in a single control. Outline controls are best for such **hierarchies** as **categories** of products, market segmentation, and product assemblies.

14/3,K/2 (Item 2 from file: 275)

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01594797 SUPPLIER NUMBER: 13724565 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Parallel inheritance, and other cute tricks. (how to keep parts of a class hierarchy separated while letting them work together at any level necessary) (Laine Stump's C++ Diary) (Column)

Stump, Laine

EXE, v7, n9, p52(4)

March, 1993

DOCUMENT TYPE: Column ISSN: 0268-6872 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 2088 LINE COUNT: 00161

ABSTRACT: A technique is described for keeping parts of a **class hierarchy** separated while letting them work together at any level necessary. The Graphical Event Based User Interface (GEBUI) class library requires that any class whose objects will draw on the graphics **display** be directly or indirectly derived from the class 'tGraphics', which is the interface to the **display** device hardware. The implementation of 'tGraphics' listed makes calls to the Borland **Graphics Interface** (BGI) library; it has been tested with FlashTek's Flash **Graphics** without **modification**. Any program can have several instances of 'tGraphics' or its descendants, but there must be...

...BGI, the 'tArea' class, and use of Parallel Inheritance to develop two or more related **class hierarchies** in parallel are described.

14/3,K/3 (Item 3 from file: 275)

DIALOG(R) File 275:Gale Group Computer DB(TM)
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01587718 SUPPLIER NUMBER: 13507332 (USE FORMAT 7 OR 9 FOR FULL TEXT)
CASE tools. (computer-aided software engineering) (Software Review)
(Computer Language Awards 1992) (Evaluation)

Murphy, Thomas; O'Brien, Larry
Computer Language, v10, n4, p44(2)

April, 1993

DOCUMENT TYPE: Evaluation ISSN: 0749-2839 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 551 LINE COUNT: 00042

...ABSTRACT: 1992 awards is reviewed. Included are Silicon Graphics Inc's CaseVision, Rational's Rose for **Windows** and CaseWorks Inc's Case:W/VIP. CaseVision is simple and unobtrusive. Programmers can use CaseVision to **make class hierarchy diagrams**, and they can **edit** while debugging. The program also serves as an open workbench. Rose for **Windows** supports Grady Booch's object-oriented design approach as found in Booch 90. The program...

14/3,K/4 (Item 4 from file: 275)

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01494381 SUPPLIER NUMBER: 11676270 (USE FORMAT 7 OR 9 FOR FULL TEXT)
WordPerfect 5.1. (WordPerfect Corp.) (Software Review) (One of 12
evaluations of word processing packages in 'Getting It Write')
(Evaluation)

PC Sources, v3, n1, p504(1)

Jan, 1992

DOCUMENT TYPE: Evaluation ISSN: 1052-6579 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 363 LINE COUNT: 00029

...ABSTRACT: 1 is noted for being hard to learn with idiosyncratic function keys and no on- **screen** guide to what they do, but it is also known for excellent telephone support, customizable...

...the right combination of F-keys and Alt-, Shift- or Ctrl-, menus guide them through **hierarchical** lists to **set** the options for the document. The program has no trouble with basic and advanced word processing functions including footnotes, indexes, math equation **editing**, **outlines**, comments, document summaries, **tables** with math functions, block editing, three levels of undelete, columns, importing of charts and graphics and font support. Although no non- **Windows** program is great for desktop publishing, WordPerfect goes a long way.

14/3,K/5 (Item 5 from file: 275)

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01410531 SUPPLIER NUMBER: 10890378

The new Frontier. (Userland Software Inc.'s Frontier program development
software for Apple Macintosh System 7) (column)

Levy, Steven

Macworld, v8, n8, p51(4)

August, 1991

DOCUMENT TYPE: column
RECORD TYPE: ABSTRACT

ISSN: 0741-8647

LANGUAGE: ENGLISH

...ABSTRACT: all applications to work with each other. Using its own relatively simple programming language, Frontier **sets** up an **outline hierarchy** to **make** the script writing easy. As the next step, Userland plans on releasing pre-written scripts and/or a simple **front - end** product to eliminate the need to learn the Frontier language. Apple has announced a set...

14/3,K/6 (Item 1 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01664995 03-15985

A model of schema versions for object-oriented databases based on the concept of rich base schema

Lee, Sang-Won; Kim, Hyoung-Joo

Information & Software Technology v40n3 PP: 157-173 Jun 15, 1998

ISSN: 0950-5849 JRNL CODE: DTP

...ABSTRACT: concept of the rich base schema. Each schema version is in the form of a **class hierarchy view** over one base schema, which has richer schema information than any existing schema version in the database. Users are supposed to be concerned only with **schema** versions. Direct **schema updates** on **schema** versions are allowed, and their effects are, if necessary, automatically propagated to RiBS. The structural...

...of invariance that should always be satisfied by structural parts is introduced. A set of **schema** is given to **update** operations, the semantics of which are defined so as to preserve the invariants. Several conflicts...

14/3,K/7 (Item 2 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00748740 93-97961

Heterogeneous schema integration method for multidatabase system

Lee, Yoonsook; Moon, Songchun

Microprocessing & Microprogramming v38n1-5 PP: 265-272 Sep 1993

ISSN: 0165-6074 JRNL CODE: EUJ

ABSTRACT: A **view class**, a **view hierarchy**, and an integrated **view schema** are proposed for heterogeneous schema integration on the basis of an object-oriented data model. Heterogeneous schema integration aims to integrate different types of local **schemas**, which may be **written** in different data models or may be designed independently, into an integrated schema for sharing...

...to represent all semantic relationships among the local schema while alleviating integration overhead. The proposed **view schema** (**view class**) can also be incrementally constructed since it can be defined over the other **view schemas** (**view classes**). The **view class** is able to represent semantic relationships between the pre-existing classes (base

classes). A **view hierarchy** represents IS-BASIS-OF relationships between a **view class** and the base classes of the **view class**. Within

the **view** schema, an application is allowed to access the local databases on a global basis.

14/3,K/8 (Item 3 from file: 15)

DIALOG(R) File 15:ABI/Inform(R)

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00467536 89-39323

Nested Categories for Access Control

Sandhu, Ravinderpal Singh

Computers & Security v7n6 PP: 599-605 Dec 1988

ISSN: 0167-4048 JRNL CODE: CSC

ABSTRACT: An access control hierarchy is proposed that is based upon nested **categories**. The **hierarchy** is suitable for an environment with a large number of changing categories and compartments. The superset relation on nested categories is **shown** to be a forest of trees. A representation for nested categories is devised by assigning...

...can be reorganized without affecting the lr-values of categories outside the subtree. This property **makes** the **representation** easy to maintain in light of inevitable changes to categories and compartments. Commonly occurring deviations...

14/3,K/9 (Item 4 from file: 15)

DIALOG(R) File 15:ABI/Inform(R)

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00466688 89-38475

A Reuse Base for Real-Time Software Specifications

Ihme, Tuomas

Microprocessing & Microprogramming v27n1-5 PP: 639-646 Aug 1989

ISSN: 0165-6074 JRNL CODE: EUJ

...ABSTRACT: process has been remodeled to support first-order reuse. In the reuse base, a component **class hierarchy** for an application includes background information needed to advise the user to use lower level...

...of components when the reusable components are created from RTSA models. The intelligent RTSA model **editor** PROSPEX provides a **graphics**-based user **interface** and an effective frame-based knowledge representation scheme.

18/3,K/1 (Item 1 from file: 275)
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02248656 SUPPLIER NUMBER: 53336553 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**The Enterprise Developer Machine. (Microsoft's Visual Studio
6.0) (Evaluation)**
SPITZER, TOM
Intelligent Enterprise, 48(1)
Nov, 1998
DOCUMENT TYPE: Evaluation LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 3787 LINE COUNT: 00310

... a result set with that form, which takes the developer within a
mouseclick of a **window** in which he or she can debug the stored procedure
itself. The Designer provides straightforward tools for creating
hierarchical data sets and affords extremely fine-grained control over
the behavior of your record sets - without having to **write** code (see
Figure 3, Page 54). Of course, there are still places where code may be
required; the Designer exposes...

18/3,K/2 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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02202094 SUPPLIER NUMBER: 20917974 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Design multimedia with Jasmine. (version 1.1 of Computer Associates
International's multimedia development software) (includes a related
article on Jasmine usage) (Software Review) (Evaluation)**
Moy, Chu
e-Business Advisor, v16, n7, p48(6)
July, 1998
DOCUMENT TYPE: Evaluation LANGUAGE: English RECORD TYPE: Fulltext
; Abstract
WORD COUNT: 3462 LINE COUNT: 00339

... integrated database management and application development tool.
The administration interface is helpful indeed--looking like **Windows
Explorer**. It can hierarchically **display** all database objects from class
families down to the actual stored objects. The Class Browser **shows** the
inheritance **hierarchy** within a **class** family, and can list the objects
of each class, class methods, queries, and other information. The database
schema can be **modified**, from changing the definitions of existing
classes to creating and deleting classes. The Object Browser **displays**
stored objects, and can create and delete objects. The Property Inspector
lists the values of...

18/3,K/3 (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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02054017 SUPPLIER NUMBER: 19264079 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**The C++ Softbench class editor. (HP's program development software)
(Product Support) (Tutorial)**
Wilson, Julie B.
Hewlett-Packard Journal, v48, n1, p12(4)
Feb, 1997
DOCUMENT TYPE: Tutorial ISSN: 0018-1153 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2464 LINE COUNT: 00198

... shows the same program that was represented in Fig. 1, but this time the visual **display** has been changed by filtering out all the classes from library header files. Additionally, two of the nodes have been expanded to **show** the member functions.

(**Figure 2** ILLUSTRATION OMITTED)

Changing the Class Hierarchy

Like any editor, the class editor allows the programmer to add, modify, and delete edited...

18/3,K/4 (Item 4 from file: 275)

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02009011 SUPPLIER NUMBER: 18821350 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Managing complex cabling systems. (Cablessoft's Crimp for Windows 4.2 cable management software) (Software Review) (Evaluation)

Howlett, Dennis

PC User, n290, p36(1)

Sep 4, 1996

DOCUMENT TYPE: Evaluation ISSN: 0263-5720 LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 817 LINE COUNT: 00067

... a repository for data about the physical datacomms and telecomms network environment. The results are **shown** in **graphical** form, which **makes** it easier to identify individual equipment or cables.

Crimp deals with pieces of data as items within **hierarchical class** structures. Items can include virtually any type of IT equipment, cabling and connections. Depending on...

18/3,K/5 (Item 5 from file: 275)

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01933827 SUPPLIER NUMBER: 18252925 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Roll your own persistence implementations to go beyond the MFC frontier.

(developing a persistence implementation that is not integrated with MFC, but that can coexist with MFC) (Technology Tutorial) (Tutorial)

Holub, Allen

Microsoft Systems Journal, v11, n6, p31(16)

June, 1996

DOCUMENT TYPE: Tutorial ISSN: 0889-9932 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 7336 LINE COUNT: 00593

... is an Employee. Rather, Storable is a property that you want to mix into the **class hierarchy** just where you need it. That's why it's called a mix-in class. **Figure 4** shows a **revised class hierarchy** that fixes the earlier problems. A Peon is a "Storable Employee," while a Manager is...

18/3,K/6 (Item 6 from file: 275)

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01597064 SUPPLIER NUMBER: 13720092 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Visual C++ enters the ring swinging and scores a technical knockout.

(Microsoft Corp's programming language) (includes related article on using MASM or FORTRAN with the Visual Workbench) (Software Review) (Evaluation)

Chiverton, Bob

Microsoft Systems Journal, v8, n6, p15(17)

June, 1993

DOCUMENT TYPE: Evaluation ISSN: 0889-9932 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 10225 LINE COUNT: 00803

... The Browser will save you gobs of time here, allowing you to rapidly traverse the **class hierarchy**, popping in and out of the **editor** as you please.

Figure 22 shows all the classes in WOW.EXE derived from COject. Notice the Browser contains three panes...

18/3,K/7 (Item 7 from file: 275)

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01588178 SUPPLIER NUMBER: 13633195 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Infini-D 2.5 recasts 3-D type tools, adds new twist to camera controls.

(Specular International Ltd.'s graphics software) (Product Announcement)

McManus, Neil

MacWEEK, v7, n11, p28(1)

March 15, 1993

DOCUMENT TYPE: Product Announcement ISSN: 0892-8118 LANGUAGE:

ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 327 LINE COUNT: 00026

... apply animation controls to sequences in a manner that resembles applying Adobe Photoshop filters to **images**. Animation controls include smoothing the velocity of a moving camera, automatic banking of cameras and tracking cameras to objects.

The built-in sequencer now groups objects within a collapsible **outline**, making it easier for users to link objects and **set hierarchies**, Specular said. Other new features include support for PICT **images** and QuickTime movies as backgrounds, an interactive preview, and a new procedural surface called Natural...

18/3,K/8 (Item 8 from file: 275)

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01530963 SUPPLIER NUMBER: 12525419 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Technical correspondence.

Riehle, Richard; Winkler, Jurgen F.H.

Communications of the ACM, v35, n8, p125(6)

August, 1992

ISSN: 0001-0782 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 4335 LINE COUNT: 00352

... 23]. With these preconditions the program is wrong.

If such a small and simple example **shows** that many problems, something must be wrong with the programming methodology (COV) used.

Figure 5 shows an alternative class hierarchy which avoids all three problems as can be seen in the class specification of Square...

18/3,K/9 (Item 9 from file: 275)

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01451456 SUPPLIER NUMBER: 11271439 (USE FORMAT 7 OR 9 FOR FULL TEXT)

LISP systems in the 1990s. (programming language continues to evolve)

(Special Section - LISP) (technical)

Laver, D. Kevin; Richardson, Chris

Communications of the ACM, v34, n9, p48(10)

Sept, 1991

DOCUMENT TYPE: technical ISSN: 0001-0782

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 7562 LINE COUNT: 00620

... for each of the callers of a particular function.

Programming productivity is further enhanced by **window**-based interfaces. Facilities provided by such an interface include:

- * browsers for graphically **displaying** some aspects of program structure such as a call **graph** or a **class hierarchy**. Clicking the mouse on a node in a **graph** will typically perform an operation on the program part that it represents, such as **displaying** the source code in an **editor window** ;

- * **graphical** time and space profilers that display the dynamic call graph annotated with profiling information;

- * tools...

18/3,K/10 (Item 10 from file: 275)

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01430966 SUPPLIER NUMBER: 10672229 (USE FORMAT 7 OR 9 FOR FULL TEXT)

United design. (McDonnell Douglas Corp.'s Unigraphics II 7.0 Cadcam system)

(Software Review) (evaluation)

Grey, Nigel

Cadcam, v10, n3, p57(2)

March, 1991

DOCUMENT TYPE: evaluation ISSN: 0963-5750

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1762 LINE COUNT: 00131

... analysis and manufacture.

The overall menu structure of each module comprises the main menu and **sets** of **hierarchical** menu trees for different functions such as, layer control, **display** control, system parameters, coordinate systems and macros. This gives a degree of familiarity between certain modules so if you're **working** in design and **drafting** and move to the modeller the basic operations are the same. The sub menus are...

18/3,K/11 (Item 11 from file: 275)

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01428679 SUPPLIER NUMBER: 10625032 (USE FORMAT 7 OR 9 FOR FULL TEXT)

A new Smalltalk. (Objectworks/Smalltalk Release 4 from ParcPlace Systems)

(Software Review) (evaluation)

Cook, Steve

EXE, v5, n8, p43(4)

Feb, 1991

DOCUMENT TYPE: evaluation

ISSN: 0268-6872

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 3434 LINE COUNT: 00264

... of windows are represented by classes such as VisualComponent and CompositePart. Each part of a **window** is held in a Wrapper object, which adds borders and controls, as well as doing translation and clipping. For some reason, the **hierarchy** of visual **classes** has been designed so that only non-composite **views** can scroll. This seems an unnecessary restriction.

In the **window** management scheme of Release 4, the host **window** manager does not guarantee to retain the **graphical** information **written** onto its windows. It is up to the programmer to provide a method which can ...

18/3,K/12 (Item 12 from file: 275)

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01372861 SUPPLIER NUMBER: 08753194 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Physical design equivalencies in database conversion. (converting from navigational to relational databases) (technical)

Gillenson, Mark L.

Communications of the ACM, v33, n8, p120(12)

August, 1990

DOCUMENT TYPE: technical

ISSN: 0001-0782

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 8992 LINE COUNT: 00701

... examples of this kind of performance-related decision.

IMS permits the occurrences of different segment **types** of a **hierarchy** to be stored in different data set **groups**. Consider the Hotel **hierarchy** of Figure 1 and the sample occurrence of it in **Figure 6**. The structure **makes** perfect sense from a logical point of **view**, and some applications may have to navigate from Hotel to Room to Furniture segments. What...

18/3,K/13 (Item 13 from file: 275)

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01346525 SUPPLIER NUMBER: 08146898 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Excel Software revamps CASE tools. (computer-aided software engineering) (MacAnalyst and MacDesigner) (product announcement)

Said, Carolyn

MacWEEK, v4, n6, p15(1)

Feb 13, 1990

DOCUMENT TYPE: product announcement

ISSN: 0892-8118

LANGUAGE:

ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 337 LINE COUNT: 00028

... Excel president. Among these features are:
>Global renaming for diagrams and data dictionary.
>An index **window** for diagram titles.

>Scaled **diagram views** with full **editing** capabilities.
>User-selectable verification checking of analysis, design or data-dictionary documents.
>Editing of stylized text.
>A collapse feature that levels a large data flow diagram into a **hierarchical set** of diagrams.
>Shortcuts and convenience features such as autosave, file locking and improved data-dictionary...

18/3,K/14 (Item 1 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
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01354419 Supplier Number: 46201610 (USE FORMAT 007 FOR FULLTEXT)
SYMANTEC ANNOUNCES STANDALONE CAFE FOR WINDOWS
PR Newswire, p0304SJM002
March 4, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 995

... classes. The Class Browser now fully supports Java packages simplifying the understanding of the Java **class** library;
- The **Hierarchy Editor** provides a visual **representation** of the Java application **class hierarchy**, allowing the user to better understand the standard Java classes and their relationships, as well as classes of the application. The Hierarchy Editor now fully supports the **display** of packages;
- Easy access to help for quick look-up of Java API in help...

18/3,K/15 (Item 2 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
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01292005 Supplier Number: 45530827 (USE FORMAT 007 FOR FULLTEXT)
SYMANTEC ANNOUNCES DUAL POWERMAC AND WINDOWS SUPPORT ON DEVELOPER'S ADVANTAGE SUBSCRIPTION SERVICE
PR Newswire, pN/A
May 8, 1995
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 458

... The Third Update, for the first time, also includes Symantec C++ Version 7.0 for **Windows 95** Preview Program, **Windows NT** and **Windows**
3.1. Symantec C++ 7.0 for **Windows** includes unique features such as **Hierarchy** and **Class Editors** for **graphical** navigation and **editing**,
NetBuild for automatic build distribution over a LAN, OPTLINK 6.0, a new multi-threaded 32-bit version of the high-performance linker, New ResourceStudio for editing **Windows** resources including the new **Windows 95** extensions, and the MultiScope Debugger 3.0 technology integrated seamlessly into development environments.
Future...

18/3,K/16 (Item 3 from file: 621)

DIALOG(R) File 621:Gale Group New Prod.Annou.(R)
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01283050 Supplier Number: 45328647 (USE FORMAT 007 FOR FULLTEXT)

SYMANTEC ANNOUNCES SYMANTEC C++ 7.0

PR Newswire, pN/A

Feb 10, 1995

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1105

... network resources. The new development system provides 32-bit support for the beta release of **Windows '95**, through a pre-release CD available separately from Symantec.

New Features Overview

- * Unique **Hierarchy** and **Class Editors** for **graphical** navigation and manipulation of objects
- * NetBuild for automatic build distribution over a LAN using multiple...

18/3,K/17 (Item 4 from file: 621)

DIALOG(R) File 621:Gale Group New Prod.Annou.(R)

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01175568 Supplier Number: 42427837 (USE FORMAT 007 FOR FULLTEXT)

OBJECT ORIENTED SUPPORT ADDED TO CASE TOOL

News Release, p1

Oct 8, 1991

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 455

... October 15, and was demonstrated at the Object Oriented Programming Systems, Languages and Applications (OOPSLA) **show** in Phoenix today. TurboCASE 4.0 offers full object oriented support for encapsulation, inheritance and polymorphism.

TurboCASE 4.0 supports five new editors, four of which are **graphics editors** that create different class **diagrams**. The fifth **editor**

, a dictionary, gives the user the ability to define classes.

New TurboCASE diagrams are **Class Hierarchy** which helps resolve how polymorphism works; Class Definition which **shows** instance variables and methods of class; Class Collaboration which **shows** how objects communicate with each other at three levels of detail; and Class Design which...

18/3,K/18 (Item 5 from file: 621)

DIALOG(R) File 621:Gale Group New Prod.Annou.(R)

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01022714 Supplier Number: 39707707 (USE FORMAT 007 FOR FULLTEXT)

MACMILLAN SOFTWARE COMPANY EXPANDS PRODUCT LINE, INTRODUCES MENU-DRIVEN

SCIENTIFIC SOFTWARE FOR PCS

PR Newswire, pN/A

March 1, 1986

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 510

... plotting; interactive labeling; and plotter support.

Data Acquisition capabilities of ASYSTANT + include real-time data **display** ; automatic thermocouple linearization; cold junction compensation; general conversion to engineering units; built-in two-channel function generator; interactive **graphics** -based waveform **editor** ; signal averaging; five trigger **types** ; six **multilevel** alarm conditions; and real-time operator control of A/D gain, data rate, digital output...

18/3,K/19 (Item 1 from file: 636)

DIALOG(R) File 636:Gale Group Newsletter DB(TM)

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03035969 Supplier Number: 46196631 (USE FORMAT 7 FOR FULLTEXT)

SYMANTEC: Symantec announces standalone cafe for Windows

M2 Presswire, pN/A

March 4, 1996

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1008

... classes. The Class Browser now fully supports Java packages simplifying the understanding of the Java **class** library;

The **Hierarchy Editor** provides a visual **representation** of the Java application **class hierarchy** , allowing the user to better understand the standard Java classes and their relationships, as well as classes of the application. The Hierarchy Editor now fully supports the **display** of packages; - Easy access to help for quick look-up of Java API in help...

18/3,K/20 (Item 2 from file: 636)

DIALOG(R) File 636:Gale Group Newsletter DB(TM)

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01568724 Supplier Number: 42322897 (USE FORMAT 7 FOR FULLTEXT)

TurboCASE Upgrade in View

CASE Strategies, v3, n9, pN/A

Sept, 1991

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 113

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...The \$995 Macintosh-based tool will add support for design of object-oriented applications. New **diagram editors** will support creation of diagrams that **show class hierarchy** ; **class** definition; **class** collaboration, which **shows** how objects communicate with each other; and class design. Diagrams are integrated through a central...

18/3,K/21 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rts. reserv.

09014804 SUPPLIER NUMBER: 18750912 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Expert system for mill control. (how the computerized control of Mexicana de Cananea's grinding mills was developed and operates) (Mining: North America)

Mejia, Mario Reynoso; Valencia, Victor Manriquez

Mining Magazine, v175, n3, pMNA16(4)

Sep, 1996

ISSN: 0308-6631

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 2711 LINE COUNT: 00215

... creation of multiple workspaces. These spaces can contain rules, procedures, animated graphics, meters, synthesisers, and **tables** of numerical readings. The expert uses a **graphic editor** to create and edit classes of objects, **classes** of **hierarchies** and objects. The knowledge base is made up of the definitions of classes of object...

18/3,K/22 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rts. reserv.

08573111 SUPPLIER NUMBER: 18155242 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Cafe serves up strong Java tools. (Symantec Corp) (Software Review) (Evaluation)

Millman, Howard

InfoWorld, v18, n14, p105(1)

April 1, 1996

DOCUMENT TYPE: Evaluation

ISSN: 0199-6649

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 862 LINE COUNT: 00073

... debugger and laid-back compiler make it awkward to use.

Symantec Corp.'s Cafe for **Windows** resolves both deficiencies and provides additional functionality as well. Cafe deftly combines a set of visual development tools -- including a native 32-bit Java compiler; a **graphical Class Editor**; **Hierarchy Editor**, with full support for threads; and drag-and-drop design functionality -- into an object-oriented

18/3,K/23 (Item 1 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2007 ProQuest Info&Learning. All rts. reserv.

02375350 126501071

Rich Base Schema (RiBS): A unified framework for OODB schema version management

Lee, Sang-Won; Kim, Hyoung-Joo

Journal of Database Management v11n1 PP: 29-37 Jan-Mar 2000

ISSN: 1063-8016 JRNL CODE: DAN

WORD COUNT: 6592

...TEXT: information than any schema version, is maintained, and each schema version is represented as a **view** over RiBS. In addition, when a

schema update is imposed on a schema version, RiBS is, if necessary, automatically augmented so as to be richer than the **modified schema** version in addition to all other ones. In summary, a schema version is an updatable **class hierarchical view** over RiBS, in the sense that schema evolution operations can be directly imposed on the **view** .

In our model, schema versions are strictly separated from RiBS. This separation prevents several problems...ever defined in any schema version. Each schema version is in the form of a **class hierarchy view** over RiBS. Users are concerned only with the schema versions in the uppermost layer. Direct **schema updates** on **schema** versions are allowed, and their effects are, if necessary, automatically propagated down to RiBS. We ...

18/3,K/24 (Item 2 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2007 ProQuest Info&Learning. All rts. reserv.

01184094 98-33489

Cafe serves up strong Java tools

Millman, Howard

InfoWorld v18n14 PP: 105 Apr 1, 1996

ISSN: 0199-6649 JRNL CODE: IFW

WORD COUNT: 695

...TEXT: debugger and laid-back compiler make it awkward to use. Symantec Corp.'s Cafe for **Windows** resolves both deficiencies and provides additional functionality as well. Cafe deftly combines a set of visual development tools - including a native 32-bit Java compiler; a **graphical Class Editor ; Hierarchy Editor** , with full support for threads; and drag-and-drop design functionality - into an object-oriented...

18/3,K/25 (Item 3 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2007 ProQuest Info&Learning. All rts. reserv.

01117577 97-66971

So what the Hell is OODBMS?

Radding, Alan

Computerworld v29n45 PP: 121-129 Nov 6, 1995

ISSN: 0010-4841 JRNL CODE: COW

WORD COUNT: 1157

...TEXT: time," DeWitt explains. Change, by contrast, proved troublesome with an RDBMS "With a relational database **table** , we'd have to leave all kinds of flags and keep **changing** the **schema** to do the same sort of thing," he adds. Even then, **changing** the relational database **schema** creates backward compatibility problems.

These technical problems disappear with an object-oriented DBMS. "The database is aware of **class hierarchy** , so there is one schema, one business and one business model," DeWitt explains.

TELECOMMUNICATIONS

Problem...

18/3,K/26 (Item 4 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2007 ProQuest Info&Learning. All rts. reserv.

01092314 97-41708

Object-oriented parallel computation for plasma simulation

Norton, Charles D; Szymanski, Boleslaw K; Decyk, Viktor K

Communications of the ACM v38n10 PP: 88-100 Oct 1995

ISSN: 0001-0782 JRNL CODE: ACM

WORD COUNT: 6451

...TEXT: original code. We believe that such a refinement process is a necessary part of proper **class hierarchy** design for software generalization and **modification** .

Figure 4 shows the **modified class hierarchy** , which uses templates to operate on a vector space of particles. (Figure 4 omitted) A...

18/3,K/27 (Item 1 from file: 635)

DIALOG(R)File 635:Business Dateline(R)

(c) 2007 ProQuest Info&Learning. All rts. reserv.

0678953 96-36145

Symantec announces standalone cafe for Windows

Bailey, Elisheva

PR Newswire (New York, NY, US) p1

PUBL DATE: 960304

WORD COUNT: 947

DATELINE: Cupertino, CA, US, Pacific

TEXT:

...classes. The Class Browser now fully supports Java packages simplifying the understanding of the Java **class** library;

- The **Hierarchy Editor** provides a visual **representation** of the Java application **class hierarchy** , allowing the user to better understand the standard Java classes and their relationships, as well as classes of the application. The Hierarchy Editor now fully supports the **display** of packages;

- Easy access to help for quick look-up of Java API in help...

18/3,K/28 (Item 2 from file: 635)

DIALOG(R)File 635:Business Dateline(R)

(c) 2007 ProQuest Info&Learning. All rts. reserv.

0570837 95-26588

Symantec announces Symantec C++ 7.0

Barnett, Pam

PR Newswire (New York, NY, US) s1 p1

PUBL DATE: 950213

WORD COUNT: 1,034

DATELINE: Cupertino, CA, US

TEXT:

...network resources. The new development system provides 32-bit

support for the beta release of **Windows '95**, through a pre-release CD available separately from Symantec.

New Features Overview

- * Unique **Hierarchy** and **Class Editors** for **graphical** navigation and manipulation of objects

- * NetBuild for automatic build distribution over a LAN using multiple ...

18/3,K/29 (Item 1 from file: 647)

DIALOG(R)File 647:CMP Computer Fulltext
(c) 2007 CMP Media, LLC. All rts. reserv.

00591634 CMP ACCESSION NUMBER: EET19911118S0843

Object-oriented-programming tools debut

ROBERT H. BLISSMER

ELECTRONIC ENGINEERING TIMES, 1991, n 668, 122

PUBLICATION DATE: 911118

JOURNAL CODE: EET LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: design/computers & software

WORD COUNT: 727

... introduced TurboCASE 4.0, a Macintosh-based object- oriented CASE tool. The product includes four **graphics editors** that create class **diagrams** , as well as a dictionary for defining classes. The diagrams include **Class Hierarchy** , which helps resolve how polymorphism works; Class Definition, which illustrates instance variables and methods of classes; Class Col

laboration, which **shows** how objects communicate with each other; and Class Design, which works like a structure chart...

18/3,K/30 (Item 2 from file: 647)

DIALOG(R)File 647:CMP Computer Fulltext
(c) 2007 CMP Media, LLC. All rts. reserv.

00534734 CMP ACCESSION NUMBER: EET19930308S5024

DEC boosts PowerFrame

RICHARD GOERING

ELECTRONIC ENGINEERING TIMES, 1993, n 736, 64

PUBLICATION DATE: 930308

JOURNAL CODE: EET LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: Design - CAE Tools

WORD COUNT: 222

... adds a Motif-based user interface with additional data-browsing features, such as a navigation **window** for very large data hierarchies, a toolbox and command **window** support, an object attribute **editor** , and **graphic editors** for the rapid creation and modification of dialogue boxes and icons.

The data-management server now provides TeamWork, a utility that lets users **set up hierarchies** of private and public work areas for data development and sharing, along with defined procedures...

18/3,K/31 (Item 1 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2007 The Gale Group. All rts. reserv.

04279624 Supplier Number: 46270161 (USE FORMAT 7 FOR FULLTEXT)

Cafe serves up strong Java tools

InfoWorld, p105

April 1, 1996

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 798

... debugger and laid-back compiler make it awkward to use.

Symantec Corp.'s Cafe for **Windows** resolves both deficiencies and provides additional functionality as well. Cafe deftly combines a set of visual development tools -- including a native 32-bit Java compiler; a **graphical Class Editor ; Hierarchy Editor** , with full support for threads; and drag-and-drop design functionality -- into an object-oriented

...

18/3,K/32 (Item 2 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2007 The Gale Group. All rts. reserv.

01975106 Supplier Number: 42528153 (USE FORMAT 7 FOR FULLTEXT)

Object-oriented-programming tools debut

Electronic Engineering Times, p122

Nov 18, 1991

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 732

... introduced TurboCASE 4.0, a Macintosh-based object-oriented CASE tool. The product includes four **graphics editors** that create class **diagrams** , as well as a dictionary for defining classes. The diagrams include **Class Hierarchy** , which helps resolve how polymorphism works; Class Definition, which illustrates instance variables and methods of classes; Class Collaboration, which **shows** how objects communicate with each other; and Class Design, which works like a structure chart...

22/3,K/1 (Item 1 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext
(c) 2007 ProQuest. All rts. reserv.

01885796 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Development of Ohio's GIS-based wetlands inventory

Gi-Chul Yi; Risley, David; Koneff, Mark; Davis, Craig

Journal of Soil & Water Conservation (IJSW), v49 n1, p23-28

Jan 1994

ISSN: 0022-4561 JOURNAL CODE: IJSW

DOCUMENT TYPE: Feature

LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2952 LENGTH: Long (31+ col inches)

TEXT:

... effective and efficient wetland management in Ohio was hampered by the lack of a complete **inventory** of the state's wetland resources. Before the Ohio Wetland **Inventory** (OWI), the best sources of data on Ohio's wetlands were the National Wetland **Inventory** (NWI) maps produced by the U.S. Fish and Wildlife Service. These maps are developed from high-altitude aerial photos and utilize a **hierarchical** wetland **classification** scheme developed by Cowardin et al.(1). While NWI may be one of the most...

...are incomplete coverage of certain areas of the United States and the inability to maintain **updated** wetland **maps** of the entire country. Even though wetlands in the uncovered portion of Ohio are currently...